UNITED STATES DISTRICT COURT FOR THE DISTRICT OF MASSACHUSETTS

ARISE FOR SOCIAL JUSTICE; ¿OISTE?; NEW ENGLAND STATE-AREA CONFERENCE OF THE NAACP; REV. TALBERT W. SWAN, II; NORMAN W. OLIVER; DARLENE ANDERSON; GUMERSINDO GOMEZ; FRANK BUNTIN; RAFAEL RODRIQUEZ; and DIANA NURSE,

Plaintiffs,

٧.

CITY OF SPRINGFIELD and SPRINGFIELD ELECTION COMMISSION,

Defendants.

Civil Action No.05-30080 MAP

AFFIDAVIT OF JOHN LOGAN

I, John Logan, hereby certify as follows on the basis of my personal knowledge:

- 1. From 1999 to 2004 I served as Director of the Lewis Mumford Center for Comparative Urban and Regional Research of the University at Albany, State University of New York.
- 2. I currently am a Professor of Sociology at Brown University.
- 3. A copy of my curriculum vitae is attached to this Affidavit at Tab A.
- 4. I am an urban sociologist and demographer with over 30 years of experience in the collection and analysis of census and other demographic data. I am the author of several books and more than 100 peer-reviewed journal articles in this field.
- 5. Attached hereto at Tab B is a true and correct copy of Mumford Center Census 2000 Project data tables for Springfield, Massachusetts. These tables are publicly available on the Mumford Center Census 2000 website.
- 6. The tables presented on the Mumford Center Census 2000 site are based on the 2000 Census of Population, Summary Files 1 and 3, at the level of census tracts, as well as limited data from the 1980 Census and 1990 Census. Data about

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- public elementary schools is drawn from the U.S. Department of Education's National Center for Education Statistics.
- 7. I directed a team of researchers who compiled the data and checked its accuracy. We prepared various tabulations to summarize information for census tracts, schools, cities, metropolitan areas, and school districts. Many of these tabulations are related to measurement of racial/ethnic segregation and/or racial and ethnic inequalities in the characteristics of census tracts where people live or schools that they attend. The data were made publicly available to supplement reports that I prepared for dissemination via our webpage. Many of these reports have also appeared in revised form in peer-reviewed journal articles.

Signed under penalties of perjury this 2 day of February, 2007.

John Logan

CERTIFICATE OF SERVICE

I hereby certify that this document filed through the ECF system will be sent electronically to the registered participants as identified on the Notice of Electronic Filing (NEF) and paper copies will be sent to those indicated as non-registered participants on February 2, 2007.

/s/ Paul E. Nemser

EXHIBIT A

CURRICULUM VITAE

John R. Logan Department of Sociology **Brown University** Providence, RI 02912

Phone (401) 863-2267 John Logan@brown.edu

EDUCATION

BA University of California, Berkeley (March 1968)

MA Columbia University (June 1969)

PhD University of California, Berkeley (June 1974)

ACADEMIC HONORS AND AWARDS

Phi Beta Kappa (Berkeley 1968)

Faculty Fellow (Columbia (1968-1969)

NSF National Fellow (Berkeley 1970-1972)

NEH Summer Fellow (1976)

Robert E. Park Award, ASA (1988)

Award for a Distinguished Scholarly Publication, ASA (1990)

Sorokin Lecturer, Pacific Sociological Association (1991)

University Award for Excellence in Research, SUNY (1991)

University Award for Excellence in Service, SUNY (1995)

Russell Sage Foundation, Visiting Scholar (1996-1997)

William J. Goode Award, ASA (1997)

Rockefeller Foundation Study Center (Bellagio), Visiting Scholar (1999)

SUNY Research Foundation Award for Excellence in Research and Scholarship (2003)

PROFESSIONAL POSITIONS

Professor, Department of Sociology, Brown University, 2004-present. Director, Research Initiative on Spatial Structures in the Social Sciences (\$4), 2004-present.

Director, Lewis Mumford Center for Comparative Urban and Regional Research, University at Albany, 1999-2004. Director, Center for Social and Demographic Analysis, 2003-2004.

Distinguished Professor, Department of Sociology and Department of Public Administration and Policy, University at Albany, 2000-2004; Professor, 1986-2000. Associate Professor, 1980-1986. Chair, Department of Sociology, 1988-1991.

Wibaut Chair Distinguished Visiting Professor, Amsterdam Study Centre for the Metropolitan Environment, University of Amsterdam, Spring 2001.

Lecturer and Assistant Professor, Department of Sociology, SUNY at Stony Brook, 1972-1980.

Urban Planner, Santa Clara County Planning Department, San Jose, California, 1971.

Community Organizer, Mid-Peninsula Community House, East Palo Alto, California, 1970-1971.

THESIS RESEARCH

Master's: Political Consequences of Internal Migration during National Development.

Advisor - Immanuel Wallerstein.

Doctoral: Industrialization, Repression, and Working-Class Militancy in Spain. Advisor - Arthur Stinchcombe.

BOOKS

John R. Logan (editor). 1983. Symposium: Urban Theory and National Urban Policy. Special issue of Urban Affairs Quarterly, 19 (September).

John R. Logan and Harvey Molotch. 1987. *Urban Fortunes: The Political Economy of Place*. Los Angeles: University of California Press.

Recipient of the 1988 Robert E. Park Award for "an outstanding research monograph in community and urban sociology" (American Sociological Association, Section on Community and Urban Sociology).

Recipient of the 1990 Award for a Distinguished Scholarly Publication (American Sociological Association).

John R. Logan and Todd Swanstrom (editors). 1990. Beyond the City Limits: Urban Policy and Economic Restructuring in Comparative Perspective. Philadelphia: Temple University Press.

Alberto Gasparini, John R. Logan, and Valery Mansurov (editors). 1993. Riqualificazione e Hinterland delle Grandi Citta. Milan: Franco Angeli.

John R. Logan and Glenna D. Spitze. 1996. Family Ties: Enduring Relations between Parents and Their Grown Children. Philadelphia: Temple University Press.

Recipient of the 1997 William J. Goode Distinguished Book Award (American Sociological Association, Section on the Family).

(Excerpts from Preface and Chapter 7 published as "Extending the Family," pp. 365-370 in Andrew J. Cherlin (editor), *Public and Private Families, A Reader*, 2nd ed. Boston: McGraw-Hill, 2001. Also pp. 451-457 in Scott Coltrane (ed.) Families and Society, Thomson-Wadsworth, Belmont, CA, 2004.)

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ARTICLES AND CHAPTERS

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- John R. Logan. 1976. "Notes on the Growth Machine: Toward a Comparative Political Economy of Place" American Journal of Sociology 82(2): 349-352.
- John R. Logan and Gerald Zeitz. 1977. "Mathematical Models in the Study of Power: Comment on Mayhew and Levinger" American Journal of Sociology 83(1): 164-173.
- John R. Logan. 1977. "Affluence, Class Structure, and Working-Class Consciousness in Modern Spain" American Journal of Sociology 83(2): 386-402.
- John R. Logan and Mark Schneider. 1978. "The Ecological and Political Determinants of Suburban Development" Pp. 167-179 in Michael E. Kraft and Mark Schneider (editors), Population Policy Analysis: Issues in American Politics. Lexington: Lexington Books.
- John R. Logan. 1978. "Rural-Urban Migration and Working-Class Consciousness: The Spanish Case" Social Forces 56(4): 1159-1178.
- John R. Logan. 1978. "Growth, Politics, and the Stratification of Places" American Journal of Sociology 84(2): 404-416.
 - See Stephanie Greenberg. 1979. "Comments on Logan's 'Growth, Politics, and the Stratification of Places'" and John R. Logan. 1979. "Reply to Greenberg" Both in American Journal of Sociology 85(3): 662-665 and 665-668.
 - Reprinted in Robert W. Lake (editor). 1982. Readings in Urban Analysis: Perspectives on Urban Form and Structure. New Brunswick: Center for Urban Policy Research.
- John R. Logan and Moshe Semyonov. 1980. "Growth and Succession in Suburban Communities" Sociological Quarterly 21(Winter): 93-105.
- John R. Logan. 1981. "Class Structure, the Sexual Division of Labor, and Working-Class Consciousness in Spain Pp. 227-247 in Richard Simpson and Ida Harper Simpson (editors). Research in the Sociology of Work (Volume I). Greenwich: JAI Press.
- John R. Logan and Mark Schneider. 1981. "The Stratification of Metropolitan Suburbs, 1960-1970" American Sociological Review 46(April): 175-186.
- John R. Logan and Mark Schneider. 1981. "Suburban Municipal Expenditures: The Effects of Business Activity, Functional Responsibility, and Regional Context" Policy Studies Journal 9(7): 1039-1050.
- John R. Logan and Linda Brewster Stearns. 1981. "Suburban Racial Segregation as a Non-Ecological Process" *Social Forces* 60(1): 61-73.
- Mark Schneider and John R. Logan. 1981. "Fiscal Implications of Class Segregation: Inequalities in the Distribution of Public Goods and Services in Suburban Municipalities." *Urban Affairs Quarterly* 17(1): 23-26.
- John R. Logan and Mark Schneider. 1982. "The Effects of Business Activity, Functional Responsibility, and Regional Context on Suburban Municipal Expenditures" Pp. 235-250 in Richard C. Rich (ed.) Analyzing Urban-Service Distributions. Lexington, MA: Lexington Books.
- John R. Logan and Mark Schneider. 1982. "Governmental Organization and Changing City-Suburban Income Inequality" Urban Affairs Quarterly 17(3): 303-318.

Mark Schneider and John R. Logan. 1982. "The Effects of Local Government Finances on Community Growth Rates: A Test of the Tiebout Hypothesis" *Urban Affairs Quarterly* 18(1): 91-105.

Mark Schneider and John R. Logan. 1982. "Suburban Racial Segregation and Black Access to Local Public Resources" Social Science Quarterly 63(4): 762-770.

John R. Logan. 1983. "Worker Mobilization and Party Politics: Revolutionary Portugal in Perspective" Pp. 135-148 in Lawrence S. Graham and Douglas L. Wheeler (editors), In Search of Modern Portugal: The Revolution and Its Consequences. Madison: University of Wisconsin Press.

John R. Logan and Mark Schneider. 1983. "The Political Economy of Suburban Growth" Pp. 294-309 in John S. Pipkin, Mark LaGory, and Judith R. Blau (editors), Remaking the City: Social Science Perspectives on Urban Design. Albany: SUNY Press.

John R. Logan and O. Andrew Collver. 1983. "Residents' Perceptions of Suburban Community Differences" American Sociological Review 48(June): 428-433.

John R. Logan. 1983. "The Disappearance of Communities from National Urban Policy" *Urban Affairs Quarterly* 19(1): 75-90.

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John R. Logan and Mark Schneider. 1984. "Racial Segregation and Racial Change in American Suburbs, 1970-1980" American Journal of Sociology 89 (January):874-888.

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John R. Logan. 1984. "The Graying of the Suburbs" Aging 345(June-July): 4-8.

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Mark Schneider and John R. Logan. 1985. "Suburban Municipalities: The Changing System of Intergovernmental Relations in the Mid-1970's" *Urban Affairs Quarterly* 21(September): 87-105.

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John R. Logan and Glenna Spitze. 1994. "Informal Support and the Use of Formal Services by Older Americans" Journal of Gerontology: Social Sciences 49 (January): \$25-\$34.

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Glenna Spitze, John R. Logan, Genevieve Joseph, and Euniu Lee. 1994. "Middle Generation" Roles and the Well-being of Men and Women" Journal of Gerontology 49(May): S107-S116.

Glenna Spitze, John R. Logan, Glenn Deane, and Suzanne Zerger. 1994. "Adult Children's Divorce and Intergenerational Relationships" Journal of Marriage and the Family 56 (May): 279-293.

Richard D. Alba, John R. Logan and Shu-yin Leung. 1994. "Asian Immigrants in American Suburbs: An Analysis of the Greater New York Metropolitan area" Pp. 43-70 in Mark Baldassare (editor), Suburban Communities: Change and Policy Responses. Research in Community Sociology, Volume 4. Greenwich, CT: JAI Press.

John R. Logan, Richard D. Alba, and Thomas McNulty. 1994. "The Racially Divided City: Housing and Labor Markets in Los Angeles" Pp. 118-140 in Seamus Dunn (editor), Managing Divided Cities. Keele: Ryburn Publishing.

John R. Logan and Glenna Spitze. 1994. "Family Neighbors" American Journal of Sociology 100 (September): 453-476.

Richard D. Alba, John R. Logan and Paul Bellair. 1994. "Living with Crime: The Implications of Racial and Ethnic Differences in Suburban Location" Social Forces 73 (December): 395-434.

Richard D. Alba, Nancy Denton, Shu-Yin Leung, and John R. Logan. 1995. "Neighborhood Change under Conditions of Mass Immigration: The New York City Region, 1970-1990" International Migration Review 29: 625-656.

John R. Logan and Glenna Spitze. 1995. "Self-Interest and Altruism in Intergenerational Relations" Demography 32 (August): 353-364.

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John R. Logan and Richard D. Alba. 1995. "Who Lives in Affluent Suburbs? Racial Differences in Eleven Metropolitan Regions" Sociological Focus 28:353-364.

John R. Logan, Richard D. Alba, and Shu-Yin Leung. 1996. "Minority Access to White Suburbs: A Multi-Region Comparison" Social Forces 74 (March): 851-882.

Yanjie Bian and John R. Logan. 1996. "Market Transition and the Persistence of Power: The Changing Stratification System in Urban China" American Sociological Review 61:739-58.

Min Zhou and John R. Logan. 1996. "Market Transition and the Commodification of Housing in Urban China" International Journal of Urban and Regional Research 20:400-21.

John R. Logan, Richard D. Alba, and Thomas McNulty. 1996. "Minorities in the Global City: New York and Los Angeles" Pp. 217-233 in Enzo Mingione (editor), Urban Poverty and the Underclass. London: Basil Blackwell.

French version published as: John R. Logan, Richard D. Alba, and Thomas McNulty. 1995. "Les minorités des villes globales: New York et Los Angeles" Sociétés Contemporaines 22/23: 69-87.

John R. Logan, Richard D. Alba, Tom McNulty and Brian Fisher. 1996. "Making a Place in the Metropolis: Locational Attainment in Cities and Suburbs" Demography 33: 443-53.

John R. Logan and Harvey Molotch. 1996. "The Theory of the Growth Machine" Pp. 291-337 in Readings in Urban Theory, edited by Susan S. Fainstein and Scott Campbell. Cambridge, MA: Blackwell Publishers.

John R. Logan. 1996. "Rural America as a Symbol of American Values." Rural Development Perspectives 12: 24-28.

John R. Logan, Rachel Bridges Whaley, and Kyle Crowder. 1997. "The Character and Consequences of Growth Regimes: An Assessment of Twenty Years of Research" Urban Affairs Review 32: 603-630.

Reprinted in Andrew Jonas and David Wilson (editors), The Urban Growth Machine: Critical Perspectives Twenty Years Later. Albany: SUNY Press, 1998.

Richard D. Alba, John R. Logan, and Kyle Crowder. 1997. "White Neighborhoods and Assimilation: The Greater New York Region, 1980-1990" Social Forces 75: 883-909.

Yanjie Bian, John R. Logan, Hanlong Lu, Yunkang Pan, and Ying Guan. 1997. "Work Units and Housing Reform in Two Chinese Cities" Pp. 223-250 in Elizabeth Perry and Xiabo Lu (editors), The Danwei: The Changing Chinese Workplace in Historical and Comparative Perspective. New York: M.E. Sharpe.

Chinese version published as: Hanlong Lu, Yanjie Bian, John R. Logan, Yunkang Pan, and Ying Guan. 1996. "Work Units and Housing Reform in Two Chinese Cities" Sociological Research (Chinese Academy of Social Science).

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Ann Markusen, Peter Hall, Scott Campbell, and Sabina Deitrick. The Rise of the Gunbelt. Contemporary Sociology 22 (January 1993): 54-55.

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John Walton. Western Times and Water Wars: State, Culture, and Rebellion in California. International Journal of Urban and Regional Development 17 (December 1993): 626-627.

Robert A. Beauregard. Voices of Decline: The Postwar Fate of U.S. Cities. *Contemporary* Sociology 23 (November 1994): 845-846.

Gregory Squires. Capital and Communities in Black and White. *International Journal of Urban* and Regional Development 20 (September 1996): 559-60.

Charles Haar. Suburbs Under Siege: Race, Space, and Audacious Judges. And David Kirp, John Dwyer, and Larry Rosenthal. Our Town: Race, Housing, and the Soul of Suburbia. American Journal of Sociology 102 (May 1997): 1747-1749.

Charlotte Ikels. The Return of the God of Wealth: The Transition to a Market Economy in Urban China. Contemporary Sociology 26 (May 1997): 345-46.

Barbara Ferman. Challenging the Growth Machine: Neighborhood Politics in Chicago and Pittsburgh. Urban Affairs Review 33 (November 1997): 298-300.

Joe Feagin. The New Urban Paradigm: Critical Perspectives on the City. Contemporary Sociology 27 (November 1998): 620-621.

James Gimpel. Separate Destinations: Migration, Immigration, and the Politics of Places. American Journal of Sociology 106 (July 2000): 242-243.

Wenfang Tang and William Parish. Chinese Urban Life under Reform: The Changing Social Contract. Social Forces 79 (June 2001): 1530-32.

Mike Davis. Magical Urbanism: Latinos Reinvent the U.S. City. International Journal of Urban and Regional Research 26 (September 2002): 647-48.

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Martin Whyte. China's Revolutions and Intergenerational Relations. Contemporary Sociology 33 (November 2004): 669-670.

Arlene Dávila. Barrio Dreams: Puerto Ricans, Latinos, and the Neoliberal City. Journal of the American Planning Association 71 (Summer 2005): 343-344.

Reynolds Farley and John Haaga. The American People: Census 2000. Contemporary Sociology, forthcoming.

Review essay: Nancy Foner, Wounded City: The Social Impact of 9/11: Howard Chernick. Resilient City: The Economic Impact of 9/11. John Mollenkopf, Contentious City: The Politics of Recovery in New York City. *Qualitative Sociology*, forthcoming.

CONFERENCE PAPER PRESENTATIONS

Political Socialization at the University of Buenos Aires (with David Nasatir). Eastern Sociological Society, April 1969.

Problems in the Utilization of Medical Sociology. Pacific Sociological Association, April 1970.

Affluence, Class Structure, and Working-Class Consciousness in Modern Spain. American Sociological Association, August 1974.

The Political Economy of Suburban Growth: A Two-Region Comparison (with Mark Schneider). International Studies Association, February 1976.

Growth, Politics, and the Stratification of Places. American Sociological Association, August 1977.

Growth and Succession in Suburban Communities (with Moshe Semyonov). Population Association of America, April 1978.

Income Inequalities among Metropolitan Communities (with Mark Schneider). International Sociological Association, August 1978.

Metropolitan Political Economy: Possibilities for Comparative Urban Research. Conference on Comparative Urban Research, University of Chicago, April 1979.

Worker Mobilization and Party Politics in Portugal. II International Conference on Modern Portugal, University of New Hampshire, June 1979.

State Policy and Metropolitan Stratification. Invited speaker for a panel organized by the Community Section, American Sociological Association, August 1979.

Governmental Organization and Changing City-Suburb Income Inequality (with Mark Schneider). American Sociological Association, August 1979.

Suburban Racial Segregation as a Non-Ecological Process (with Linda Brewster Stearns). Eastern Sociological Society, April 1980.

Trends in Racial Segregation: A Caution on the Index of Dissimilarity (with Linda Brewster Stearns). American Sociological Association, August 1980.

Suburban Racial Segregation and Black Access to Local Public Resources (with Mark Schneider). Pacific Sociological Association, March 1981.

The Fiscal Implications of Class Segregation for Suburban Municipalities (with Mark Schneider). American Sociological Association, August 1981.

The Effects of Local Government Finances on Community Growth Rates: A Test of the Tiebout Hypothesis (with Mark Schneider). International Sociological Association, August 1982.

Fiscal Implications of Black and Low-Income Suburbanization in the 1970's (with Mark Schneider). American Political Science Association, September 1982.

Racial Segregation and Racial Change in American Suburbs, 1970-1980 (with Mark Schneider). American Sociological Association, September 1982.

Democracy from Above: Limits to Change in Southern Europe. II Colloquium on the Political Economy of Southern Europe, Maison des Sciences de l'Homme, Paris, France, June 1983.

Challenges to Value-Free Development: Tensions in the Growth Machines (with Harvey Molotch). Society for the Study of Social Problems, August 1983.

Growth Costs and Benefits: Rent Levels, Environmentalism, and Economic Shifts (with Harvey Molotch). Society for the Study of Social Problems, August 1983.

Fiscal Disparities and the Location of Firms in Suburban Regions (with Mark Schneider). International Studies Association, April 1984.

The Aging of the Suburbs, 1960-1970 (with Kevin Fitzpatrick). Eastern Sociological Society, March 1984.

Measuring Trends in Segregation: Three Dimensions, Three Measures (with Linda Brewster Stearns). American Sociological Association, August 1984.

Coping with Cutbacks: The Changing Fiscal Situation of Black and Low-Income Suburbs (with Mark Schneider). Society for the Study of Social Problems, August 1984.

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Suburbs and Satellites: Two Decades of Change (with Reid Golden). American Sociological Association, August 1985.

The National Context of Urban Fortunes. Invited speaker for a panel organized by the Community Section, American Sociological Association, August 1985.

The Changing Nature of the Suburbs and Suburban Crime (with Stephen A. Messner). Eastern Sociological Society, April 1986.

Growth Controls and Suburban Growth in the United States. American Sociological Association, August 1986.

There Is an Urban Sociology (with Harvey Molotch). American Sociological Association, August 1986.

The Future of Urban Sociology. Southern Sociological Society, March 1988.

Why Growth Controls Don't Restrain Growth (with Harvey Molotch). Urban Affairs Association, March 1989.

Representing Neighborhoods: The Impossible Dream? Conference on Urban Revitalization in the 1990's, University of Dayton, February 1990.

Residential Mobility and Ethnic Segregation of New York City's Chinese (with Min Zhou). XII World Congress of Sociology, Madrid, Spain. July 1990.

The Globalization of Real Estate Development? XII World Congress of Sociology, Madrid, Spain. July 1990.

Variations on a Theme: Racial and Ethnic Patterns of Suburbanization in the U.S.A. (with Richard Alba). XII World Congress of Sociology, Madrid, Spain. July 1990.

From Beyond the City Limits. Urban Affairs Conference, Ohio State University, October 1990.

Helping as a Component of Parent-Adult Child Relations (with Glenna Spitze). Gerontological Society of America, November 1990.

Selection Factors in Senior Center Membership (with Sonia Miner and Glenna Spitze). Gerontological Society of America, November 1990.

American Cities and Their Hinterlands: The Impact of Global Development. Conference on "Innovazione Tecnologica e Scenari Futuri per la Citta." Trieste, Italy, February 1991.

Minority Proximity to Whites in Suburbs: An Individual-Level Analysis of Segregation (with Richard Alba). Population Association of America, March 1991.

The Globalization of Real Estate. Sorokin Lecture, Pacific Sociological Association, April 1991.

Minority Access to Suburban Community Resources (with Richard Alba). American Sociological Association, August 1991.

Parent-Child Coresidence in Middle and Later Life: Whose Needs Dominate? (with Russell Ward and Glenna Spitze). American Sociological Association, August 1991.

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Inequalities in Access to Community Resources in a Chinese City (with Yan-Jan Bian). Eighth Urban Change and Conflict Conference, Lancaster, England. September 1991.

Out but not Up: The Experience of Minorities in American Suburbs. First Research Conference on the Future of European Cities, Espinho, Portugal. October 1991.

Accessibility and the Use of Senior Services (with Glenna Spitze). Gerontological Society of America, November 1991.

Making a Place in the City: Residential Assimilation and Segregation in the New York Metropolis (with Richard Alba and Brian Fisher). Population Association of America, April 1992.

Beyond Miami: Ethnic Enclaves in American Cities (with Richard Alba and Tom McNulty). American Sociological Association, August 1992.

Neighboring in the Support Network of Older Persons (with Glenna Spitze). Gerontological Society of America, November 1992.

Neighborhood Change under Conditions of Mass Immigration (with Richard Alba, Nancy Denton, and Shu-Yin Leung). Population Association of America, April 1993.

The Racially Divided City: Housing and Labor Markets in Los Angeles (with Richard Alba and Thomas McNulty). Fullbright Colloquium on Managing Divided Cities, University of Ulster, Derry, Northern Ireland. September 1993.

The Assimilation of Asian and Hispanic Immigrants in a Global City: The Case of New York European Science Foundation Conference on the Future of European Cities, Barcelona, Spain. October 1993.

Self-Interest and Altruism in Intergenerational Relations (with Glenna Spitze). Gerontological Society of America, November 1993.

Black Suburbia: On the Cutting Edge. XIII World Congress of the International Sociological Association, Bielefeld, Germany. July 1994.

Development Policy and Suburban Growth (with Kyle Crowder and Rachel Whaley). American Sociological Association, August 1994.

Rural America as a Symbol of American Values. Symposium on "The Value of Rural America," National Rural Economic Development Institute, April 1995.

White Ethnic Neighborhoods in an Immigration Metropolis (with Richard Alba and Kyle Crowder). Eastern Sociological Society, April 1995.

Market Transition and the Persistence of Power: The Changing Stratification System in Urban China (with Yanjie Bian). Society for the Advancement of Socio-Economics, April 1995.

Market Reform in China? Workshop on the Market Transition Debate: Between Socialism and Capitalism. UCLA, May 1995.

Minority Access to White Suburbs: A Multi-Region Comparison (with Richard Alba and Shu Yin Leung). American Sociological Association, August 1995.

Tradition and Change in the Urban Chinese Family: The Case of Living Arrangements (with Fuqin Bian and Yanjie Bian). American Sociological Association, August 1995.

Global Neighborhoods: The Ghettos, Barrios and Enclaves of New York. European Science Foundation Conference on the Future of European Cities, Maratea, Italy. September 1995.

Still a Global City: The Racial and Ethnic Segmentation of New York. Conference on the Partitioned City, Berlin, Germany. June 1996.

New Mechanisms of Stratification in Urban China: Wages and Housing in Transition. Conference on Global Conflict and Change, Research Committee on Urban and Regional Development (ISA), Brisbane, Australia. July 1996.

The Suburbanization of Contemporary Immigrant Groups (with Richard Alba, Gilbert Marzan, and Wenquan Zhang). American Sociological Association, August 1996.

Does Upward Mobility Mean Living in a Better Neighborhood? The Experience of Minorities and Immigrants in the New York Metropolis. W.E.B. DuBois Conference on Conservatism Affirmative Action, and Other Public Policy Issues, Wright State University, October 1996.

Urban Growth Machines: Do They Make a Difference? Interdisciplinary Conference on Milieu Construction, Turku, Finland. January 1997.

Race and Ethnicity in New York, Then and Now. Conference of the Research Committee on Urban and Regional Development, International Sociological Association, Berlin, Germany. July 1997.

Immigrant Groups and Suburbs: A Test of Spatial Assimilation Theory (with Richard Alba, Gilbert Marzan, Brian Stults, and Wenquan Zhang). Annual Meeting of the American Sociological Association, August 1997.

Group Boundaries in Jobs and Housing: The Cases of New York and Los Angeles (with Richard Alba). Annual Meeting of the American Sociological Association, August 1997.

The Persistence of the Suburban Landscape. Annual Meeting of the Social Science History Association, October 1997.

Ethnic Turf in Jobs and Housing: New York from 1920 to 1960. Annual Meeting of the Eastern Sociological Society, March 1998.

The Costs of Exclusion: Race and Violent Crime in Cleveland Suburbs. Suburban Racial Change Conference, Harvard University, March 1998.

Crabgrass Frontier Revisited. Annual Meeting of the Organization of American Historians, April 1998.

Making a Place in the Immigrant Metropolis (with Richard Alba and Brian Stults). World Congress of Sociology, Montreal, Canada. July 1998.

Regime Dynamics and Communist Party Membership in China, 1949-1993 (with Yanjie Bian and Xiaoling Shu). Annual Meeting of the American Sociological Association, August 1998.

Intergenerational Financial Exchange in Chinese Cities (with Fugin Bian). Annual Meeting of the American Sociological Association, August 1998.

Residential Segregation and Immigrant Ethnic Neighborhoods in New York, 1920. Annual Meeting of the Social Science History Association, November 1998.

Globalization and Urban Change in Shanghai. International Conference on City, State, and Region in A Global Order: Toward the 21st Century, Hiroshima, Japan, December 1998.

Only English by the Third Generation? Mother Tongue Loss and Preservation among the Grandchildren of Contemporary Immigrants" (with Richard Alba, Amy Lutz, and Brian Stults). Annual Meeting of the Population Association of America, March 1999.

Civil Participation, Conflict and Exclusion in Global Neighborhoods. Conference on Civil Participation and Civil Society, Bellagio, Italy, April 1999.

Research Issues in Urban China. Workshop on Internal Migration and Its Impacts on Chinese Urbanization, Albany, May 1999.

Three Challenges for the Chinese City: Globalization, Migration, and Market Reform" Conference on the Future of Chinese Cities, Shanghai, July 1999.

The Occupational Ranking of Racial and Ethnic Groups in New York, 1880-1970. Social Science History Association, Ft. Worth, November 1999.

A Century of Exclusion: The Segregation of Immigrants and Minorities in New York, 1900-1990. Conference on Urbanism and Suburbanism at the End of the Century, National University of Ireland (Maynooth), November 1999.

The Urban Neighborhood in the Lives of Its Residents: The Case of Shanghai. International Conference on Urban Development in China: Last Half Century and into the Next Millenium. Zhongshan, China, December 1999.

The Determinants of Inclusion: Examining the Selectivity Bias in New York's 1920 City Directory (with Jacob I. Stowell). Midwest Sociological Society, Chicago, April 2000.

Immigrant Enclaves and Ethnic Communities in New York and Los Angeles (with Richard D. Alba and Wenquan Zhang). Urban Affairs Association, Los Angeles, May 2000. Revised version presented at Population Association of America, Washington, April 2001.

Market Reform and Neighborhood Inequality in Urban China. Conference on Managing Housing and Social Change, City University of Hong Kong, April 2001.

Housing Reform, Neighborhoods, and the Work Unit System in Urban China. World Congress of Planning, Shanghai, China, July 2001.

In the Eyes of the Beholder: Using the Census to Understand Racial Segregation. Workshop on Census 2000: Accessing and Utilizing Data Resources. ICPSR, Ann Arbor, August 2001.

Life and Death in the City. American Sociological Association, Anaheim, August 2001.

Making a Life in the City: Something Old, Something New. Plenary Session: Cities of the Future. American Sociological Association, Anaheim, August 2001.

Great Maps and How We Make Them (with Deirdre Oakley). Workshop on Geographic Information Systems, American Sociological Association, Anaheim, August 2001.

America's New Diversity: The Varied Landscape of Segregation. Conference on Census 2000 and the New Urban Dynamic, Cleveland State University, November 2001.

Census 2000: Housing Segregation Levels and Impacts. Conference on Housing Opportunity. Civil Rights and the Regional Agenda, The Urban Institute, Washington, DC, November 2001.

Enclaves and Entrepreneurs: Assessing the Payoff for Immigrants and Minorities (with Richard D. Alba and Brian J. Stults). The U.S. Economy in Context: Princeton Economic Sociology Conference, Princeton, February 2002.

What the Census Says to Demographers. National Computer-Assisted Reporting Conference, Philadelphia, March 2002.

Hispanic Minorities in Census 2000: Who They Are, Where They Are. Population Association of America, Atlanta, May 9-11, 2002.

The New Chinese City: Impacts of Globalization and Market Reform. Asia-Pacific Sociological Association, Brisbane, Australia, July 2002.

Separate and Not Yet Equal: Arab Immigrants in Amsterdam. XV ISA World Congress of Sociology, Brisbane, Australia, July 2002.

People and Politics in America's Big Cities: The Challenge to Urban Democracy (with John Mollenkopf). Conference on People and Politics, Metropolitan College, New York City, April 2003.

Research on Social Inequality in Urban China. Conference on Urban Studies and Demography of China, Minneapolis, April 2003.

Immigrants in Unfamiliar Places. American Sociological Association, Atlanta, August 2003.

Segregation in the Neighborhood and in the Schools: Impacts on Opportunity for Minority Children in the Boston Region (with Deirdre Oakley and Jacob Stowell). Color Lines Conference, Cambridge, MA, September 2003.

Immigration and the New Diversity in America's Black Community. Congressional Black Caucus Annual Legislative Conference, Washington, DC, September 2003.

Linking People to Places in Urban History. Social Science History Association, Baltimore, November 2003.

The Formation of Immigrant Neighborhoods in the U.S. Metropolis. Population Association of America, Boston, April 2004.

Public Policy Impacts on School Segregation (with Deirdre Oakley and Jacob Stowell). Race, Place, and Ethnicity Conference, American Association of Geographers, Washington, DC, September 2004.

Trends in Segregation, Across Neighborhoods and Schools (with Deirdre Oakley and Jacob Stowell). Association for Public Policy Analysis and Management, Atlanta, October 2004.

Urban Restructuring in China – Through Western Eyes. Conference on Paths of Urban Change: Social and Spatial Perspectives, Research Committee 21 of the International Sociological Association, Singapore, December 2004.

Where is the Breakthrough in Residential Segregation? Conference on Race and the City. Columbia University, April 2005.

Planning the New York Metropolis: A Sociologist's Perspective. Urban Age Conference. Shanghai, July 2005.

Spatial Assimilation of Immigrants. Population Association of America, Los Angeles, March 2006.

New Orleans and the Just City. Conference on Diversity and the Just City, Columbia University. April 2006.

Global Neighborhoods: Paths to Diversity in the Immigrant Metropolis (with Charles Zhang). International Sociological Association, Durban, South Africa, July 2006. Also De Jong Lecture in Social Demography, Pennsylvania State University, September 2006. Also Population Association of America, New York, March 2007.

New Orleans after Katrina: Whose City? American Sociological Association, Montreal, August 2006. Also: Conference on Economic and Risk Assessment of Hurricane Katrina, University of Southern California, August 2006.

Political Incorporation of Immigrants in Metropolitan America (with Sookhee Oh and Jennifer Darrah). Conference on Ethno-Spatial Diffusion and Local Governance in the United States, Cornell University, September 2006.

Housing Conditions of Migrants in Urban China (with Yiping Wang). Conference on Rethinking the Rural-Urban Cleavage in Contemporary China, Harvard University, October 2006. Also Beijing Forum, Peking University, October 2006.

Natural and Unnatural Disaster in New Orleans. German Sociological Association, Kassel, October 2006.

Political Incorporation of Immigrant Groups: The Importance of the Second Generation (with Sookhee Oh and Jennifer Darrah). Conference on Local Contexts of Second-Generation Progress, University of Washington, October 2006.

Individual and Community Effects on Immigrant Naturalization (with Sookhee Oh and Jennifer Darrah). Population Association of America, New York, March 2007.

MAJOR RESEARCH FUNDING

The Political Economy of Suburban Growth: Differentiation and Stratification of American Suburbs, 1950-1970 (with Mark Schneider). Project funded by the National Science Foundation 1978-1980 and renewed for 1980-1982 (\$250,000).

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Population Composition and Change in American Suburbs (with Mark Schneider). Project funded by National Institute of Child Health and Human Development 1983-1986 (\$260,000).

Growth and Growth Politics in American Suburbs. Project funded by the National Science Foundation 1986-1988 (\$40,000).

Informal and Formal Supports in Aging (with Glenna Spitze). Project funded by the National Institute on Aging 1988-1991 (\$538,000).

Family Structure and Intergenerational Relations (with Glenna Spitze). Project funded by the National Institute on Aging, 1989-1992 (\$305,000).

Suburbanization Patterns of Racial and Ethnic Groups (with Richard Alba). Project funded by the National Science Foundation, 1990-1992 (\$80,000).

The Changing Character of Inner City Neighborhoods (with Richard Alba and Ray Bromley). Project funded by the Rockefeller Foundation, 1990-1991 (\$50,000).

Suburbanization Patterns of Racial and Ethnic Groups (with Richard Alba). Project funded by National Institute of Child Health and Human Development, 1990-1993 (\$580,000).

Access to Housing and Community Resources in a Chinese City (with Yanjie Bian). Project funded by National Science Foundation, 1992-1995 (\$154,000)

Residential Patterns of Minorities in the Metropolis (with Richard Alba). Project funded by National Science Foundation, 1995-1998 (\$174,300).

Intergenerational Relations in Chinese Cities. Project funded by National Institutes of Health (NICHD and NIA), 1996-1999 (\$350,000).

Generations of Immigrants and Minorities in New York. Project funded by the Russell Sage Foundation, 1998-1999 (\$80,200).

Group Boundaries in New York and Chicago, 1900-1920. Project funded by the National Science Foundation, 1998-2002 (\$318,000). Research Experience for Undergraduates Supplement (\$15,000).

Urban China Research Network. Project funded by the Mellon Foundation, 2000-2005 (\$920,000).

Immigration, Ethnicity, and the Family. Project funded by National Institute of Child Health and Human Development, 2000-2004 (\$944,000).

Economic Revitalization through Technology and Education-Based Institutions. Project funded by U.S. Department of Housing and Urban Development, 2000-2001 (\$85,000).

Diversity and Separation in American Neighborhoods. Project funded by the Ford Foundation, 2001-2004 (\$300,000).

Urban Studies and Demography of China. Project funded by the Mellon Foundation, 2002-2005 (\$100,000).

Group Boundaries in New York and Chicago: New Uses of the 1880 Census. Project funded by the National Science Foundation, 2002-2004 (\$155,000).

Brown v. Board of Education at 50: Desegregation Orders and Public School Integration. Project funded by American Educational Research Association, 2004-2005 (\$35,000).

Albany Population Center. R24 Population Center Grant funded by National Institute of Child Health and Human Development, 2004-2007 (\$1,081,000).

Immigrant Pathways to Political Incorporation. Project funded by Russell Sage Foundation, 2005-2006 (\$150,000).

Katrina and the Built Environment: Spatial and Social Impacts. Project funded by National Science Foundation, Human and Social Dynamics, 2005-2006 (\$106,000).

Disaster, Resilience and the Built Environment on the Gulf Coast. Project funded by National Science Foundation, Human and Social Dynamics, 2006-2009 (\$750,000).

Incorporating Immigrants and Minorities into Late 19th Century Cities. National Science Foundation, Sociology Program, 2007-2008 (\$190,000).

PROFESSIONAL AND UNIVERSITY SERVICE

Professional

Editorial boards:

Cambridge Journal of Regions, Economy and Society (2006-present)

City and Community (2004-present) Sociological Forum (1994-present)

Journal of Urban Affairs (1989-1992, 1998-present) Contemporary Sociology (1997-1999, 2005-present)

Urban Affairs Review (1999-2002)

American Journal of Sociology (1995-1997) American Sociological Review (1985-1987).

Social Forces (1985-1988).

Sociological Quarterly (1986-1988). The American Sociologist (1990-1994)

American Sociological Association: Member since 1968. Appointed to Career of Distinguished Scholarship Award Committee, (1995-98, Chair 1995-97). Appointed to Spivack Program Advisory Committee (1997-2000). Elected to Committee on Publications (1998-2001).

American Sociological Association, Section on Community and Urban Sociology: Council member (1987-1996), Chair-elect (1990-92), Chair (1993-94).

International Sociological Association: Council member, Research Committee on Urban and Regional Development (1990-2002). President (1994-98).

Fellow, Center for the Study of Poverty and Inequality at Stanford University (2006-present).

Immigration Program Advisory Committee, Russell Sage Foundation (2005-present).

NSF: Panel member, Sociology Program (1997-99). Panel member, Infrastructure Program, SBE (1999). Member, Committee of Visitors, Sociology Program (2000). Panel Member, Human and Social Dynamics (2005). Member, International Integrated Microdata Series Project Advisory Board (2004-2008).

NIH: Panel member, Social Sciences and Population Study Section (1988-1992).

China: Founder and Director, Urban China Research Network (1999-2004), Steering Committee member (2004-present). Board member, North American Chinese Sociologists Association (2000-2002). Advisory Board member, Urban China Research Centre, Cardiff University.

Advisory board member, Center for Spatially Integrated Social Science, University of California at Santa Barbara (2000-2004).

Predoctoral Awards Committee, International Migration Program of the Social Science Research Council (2001-2002).

Conference organizer/co-organizer:

Urban Theory and National Urban Policy (Albany, April 1983) University Seminar in Urban Affairs (Albany, 1984-1987) Urban Policy and Economic Restructuring (Albany, April 1989) Internal Migration and Its Impacts on Chinese Urbanization (Albany, May 1999) City, State, and Region in a Global Order: Toward the 21st Century (Hiroshima, Dec. 1998) International Migration and Its Impacts on Chinese Urbanization (Albany, May 1999) The Future of Chinese Cities: A Research Agenda for the 21st Century (Shanghai, July 1999) Spatial Aspects of Inequality and Equity (Santa Barbara, Nov. 2000) Doing Research on Urban China (Hong Kong, Dec. 2000) In It Together: How Higher Education Institutions Work as Partners in Community and Economic Development (Albany, Dec. 2001) Cities in China: The Next Generation of Urban Research (Albany, June 2002) Impacts of Disaster: Comparing Ecological and Social Resilience (Providence, March 2006)

External reviewer: Escuela de Sociología y Antropología, Universidad de Costa Rica (Fall 1998). Department of Sociology and Anthropology, Purdue University (Spring 2006). Polson Institute for Global Development, Cornell University (Spring 2006).

Co-editor (with Todd Swanstrom), Series on Conflicts in Urban and Regional Development. Temple University Press (1987-1996).

National Advisory Panel member, Joint U.S. Conference of Mayors and National Association of Counties project on "Graying of Suburbia: Policy Implications for Local Officials." (1986-88).

Brown University (2004-present)

Director, Spatial Structures in the Social Sciences (2004-present).

Affiliated faculty member of Population Studies and Training Center (2004-present), Urban Studies Program (2004-present), and Environmental Studies Center (2005-present).

Brown University Working Group on China (2005-present).

University at Albany (1980-2004)

Department Chair (1988-1991), director of graduate program (1981-1984), and various other departmental committee work.

Director, Lewis Mumford Center for Comparative Urban and Region Research (1999-2004). Member of governing board (1987-92).

Director, Center for Social and Demographic Analysis (2003-2004).

Elected member of the Faculty Council of the College of Arts and Sciences (1993-1996). Vicechair (1993-94 and 1994-95). Chair (1995-96).

Elected member of University Senate (1982-1985), member of Committee on Academic Freedom and Ethics (1982-1984), Vice-chair of Graduate Academic Council (1984-1986), Chair of Committee on Admissions and Academic Standing (1984-1986), member of Undergraduate Academic Council (1997-98), member of Selection Committee for Distinguished Service and Teaching Professorships (1999-2001), Educational Policy Committee (2001-2004).

Search committees: Chair, Department of African and Afro-American Studies (1983-1984 and 1987-1988); Vice-President for Research and Educational Development (1984-1985); Associate Dean of the College of Arts and Sciences (1994-95), Dean of the School of Social Welfare (1997-98), Dean of the College of Arts and Sciences (2001-2002).

President's Budget Panel, 1987-1989. University Resources, Goals, and Priorities Advisory Committee (URPAC), 2002-2004.

Interdisciplinary participation: Executive Committee, Department of Public Affairs and Policy (1984-1987); Faculty Research Associate, Ringel Institute of Gerontology (1984-1992); Advisory Committee for Graduate Program in Urban and Regional Planning (1985-1988): Committee on Strengthening the Department of African and Afro-American Studies (1985-1986): Board of Directors, Center for Policy Research (1987-1990); Faculty Associate, Department of Geography and Planning (1985-2004); Advisory Board, Center for Social and Demographic Analysis (1999-2004).

EXHIBIT B



Springfield city
Data for the City Area

Neighborhood Inequality

Measuring Neighborhood Inequality

We measure neighborhood inequality with a series of exposure indices (P*). Exposure indices refer to the neighborhood characteristics experienced by the average household of a given group. For example, if the value for median household income for blacks is \$30,000, this indicates that the average black household lives in a neighborhood where the median household income is \$30,000. Similarly, if the value for percent homeowner for whites is 75%, this indicates that the average white household lives in a neighborhood where 75% of the residents own homes.

Are There Racial Differences in Neighborhood Characteristics?

The following table shows a series of exposure indices for each group calculated for key social and economic indicators representing various neighborhood characteristics. In this table, data are provided for households, and households have been classified by the race/ethnicity of the household head.

Characteristics Indicator	Non-Hispa	nic White	Non-Hispa	anic Black	Hisp	anic	Asi	an
	1990	2000	1990	2000	1990	2000	1990	2000
		INDICAT	ORS OF IN	ICOME			······································	
Median HH Income	36,980	35,854	28,454	27,933	22,732	23,368	33,147	32,074
Per Capita Income	16,789	17,244	12,563	13,522	11,397	12,366	15,287	15,414
% Below Poverty	15.2	17.2	27.6	27.0	35.3	34.2	21.3	23.1
	IN	DICATORS	OF HUMA	N CAPITAL	-			
% College Educated	16.4	17.2	12.5	12.9	10.6	11.4	15.1	16.7
% Professional	29.1	28.2	25.4	24.5	22.8	24.2	28.2	27.5
% Unemployed	8.2	7.5	13.1	10.3	14.3	11.9	9.9	9.2
		INDICAT	ORS OF HO	USING				
% Vacant Housing	5.2	5.3	7.2	8.0	6.5	8.0	6.1	7.6
% Homeowners	56.0	58.8	40.9	44.3	25.5	32.0	45.5	47.0
	ļ	NDICATOR	S OF IMMI	GRATION		~····		
% Foreign Born	7.6	7.8	7.3	8.6	6.6	7.5	7.3	9.9
% Recent Immigrants	2.1	2.8	3.5	3.4	2.6	3.4	2.9	4.3
% Language other than English	20.6	26.5	23.4	30.7	45.8	47.2	26.0	32.3
	INDICATO	RS OF ISC	LATION A	ND INTEG	RATION			
% Members of Own Group	76.7	61.7	38.9	33.3	41.7	45.1	1.5	4.4
% Non-Hispanic White	76.7	61.7	40.8	36.4	38.0	32.5	65.6	50.6

Ratio of Minority to White Values

This table shows the ratio of each minority group value to that of whites for every indicator shown in the first table. These ratios represent disparities between minority and white groups. For example, if the ratio of black to white median household income is .65, this indicates that the average black household lives in a neighborhood where the median household income is only 65% of that in the average white household's neighborhood.

Characteristics Indicator	Blac	ck	Hisp	anic	Asian						
	INC	DICATORS O	FINCOME								
	1990	2000	1990	2000	1990	2000					
Median HH Income	0.77	0.78	0.61	0.65	0.90	0.89					
Per Capita Income	0.75	0.78	0.68	0.72	0.91	0.89					
% Below Poverty	1.82	1.57	2.33	1.98	1.40	1.34					
INDICATORS OF HUMAN CAPITAL											
% College Educated	0.76	0.75	0.65	0.66	0.92	0.97					
% Professional	0.87	0.87	0.78	0.86	0.97	0.98					
% Unemployed	1.60	1.38	1.75	1.59	1.21	1.24					
	IND	ICATORS OF	HOUSING								
% Vacant Housing	1.39	1.52	1.26	1.52	1.18	1.43					
% Homeowners	0.73	0.75	0.45	0.54	0.81	0.80					
	INDIC	ATORS OF IN	MIGRATION								
% Foreign Born	0.97	1.10	0.87	0.96	0.97	1.26					
% Recent Immigrants	1.63	1.23	1.24	1.22	1.35	1.54					
% Language other than English	1.13	1.16	2.22	1.78	1.26	1.22					
INDICATORS OF ISOLATION AND INTEGRATION											
% Members of Own Group	0.51	0.54	0.54	0.73	0.02	0.07					
% White	0.53	0.59	0.50	0.53	0.86	0.82					



Sources of Neighborhood Inequality

Neighborhood inequalities may result from discrimination based on race, class, or nativity. To understand if racial group disparities in neighborhood characteristics are due to class or nativity, we examine neighborhood characteristics of groups who share an income class or a birth status. Click on the buttons below to link to a series of pages for this metro area exploring the effects of race, income class, and nativity on neighborhood inequality. The first button links to a page that provides the income class distribution for each group in 1990 and 2000 (where data are provided for households). From there, you may link to another page that shows the effect of income class on group disparities in neighborhood characteristics. The second button links to a page that provides the nativity distribution for each group in 1990 and 2000 (for nativity, all data are provided for persons, rather than households). From there, you may link to another page that shows the effect of nativity on group disparities in neighborhood characteristics.

Income Distributions

Nativity Distributions

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Springfield city
Data for the City

Income Classes Distribution

Median Income and Income Classes

Median Income

This table shows the median income for each group in 1990 and 2000, adjusted to 2000 dollar values.

	All groups	Non Hispanic White	Non Hispanic Black	Hispanic	Asian
1990	33,298	38,112	28,478	11,503	20,330
2000	30,417	37,386	35,529	17,834	40,568

Income Classes

This table shows the number of households and income class distributions for each group. Our class categories are defined as "poor" (income below 175% of the poverty line for a family of four, \$22,500 in 1990 and \$30,000 in 2000), "affluent" (income more than 350% of the poverty line, \$45,000 in 1990 and \$60,000 in 2000), and "middle income" (those falling in between).

The first section of the table (Total Households) shows the overall household distribution by group. Subsequent cells in each column provide both the count and percent for the number of households within each income class.

	All groups	Non Hispanic White	Non Hispanic Black	Hispanic	Asian
		TOTAL	HOUSEHOLDS		
1990	57,769	39,999	9,628	7,602	403
%		69.2	16.7	13.2	0.7
2000	57,130	31,905	11,355	12,452	800
%		55.8	19.9	21.8	1.4
			POOR		
1990	26,138	15,563	4,905	5,355	219
%		38.9	50.9	70.4	54.4
2000	28,213	12,885	4,501	8,544	351
%		40.4	39.6	68.6	43.9
		MIDI	DLE INCOME		
1990	19,093	14,525	2,770	1,663	121
%		36.3	28.8	21.9	30.1
2000	16,833	10,428	4,185	2,669	275
%		32.7	36.9	21.4	34.4
		A	FFLUENT		
1990	12,538	9,912	1,952	584	62
%		24.8	20.3	7.7	15.5
2000	12,084	8,592	2,669	1,239	174

%		26.9	23.5	10.0	21.7
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	Effects of income				
					Top 2

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Springfield city
Data for the City Area

Sources of Neighborhood Inequality

Are Racial Differences in Neighborhood Characteristics Explained by Income Class?

This table shows the degree to which racial differences in neighborhood characteristics are explained by income class based on census tract-level data for households. A series of exposure indices, calculated for key social and economic indicators representing various neighborhood characteristics, are provided for each group by the categories of "poor", "middle income", and "affluent". For example, in this metro area we can compare the differences in median household income between poor white households and poor black households in 2000. We see that the average poor white household lives in a neighborhood where the median household income is \$ 32,719, and the average poor black household lives in a neighborhood where the median household income is \$ 26,162.

Click here for information on the income levels we use to define "poor", "middle income", and "affluent".

01 -4-1-4	1990				2000			
Characteristics Indicator	Group total	Poor	Middle- income	Affluent	Group total	Poor	Middle- income	Affluent
		I	NDICATORS	OF INCOM	E			
MEDIAN HOUSEHOLD INCOME								
Non-Hispanic White	36,980	33,778	38,287	40,093	35,854	32,719	37,207	38,912
Non-Hispanic Black	28,454	25,843	29,922	32,931	27,933	26,162	27,585	31,466
Hispanic	22,732	20,935	25,581	31,102	23,368	21,479	27,007	28,554
Asian	33,147	30,791	34,337	39,122	32,074	28,911	34,704	34,303
PER CAPITA INCOME						<u> </u>		
Non-Hispanic White	16,789	15,892	17,120	17,714	17,244	16,185	17,638	18,352
Non-Hispanic Black	12,563	11,924	13,061	13,462	13,522	12,954	13,175	15,026
Hispanic	11,397	10,760	12,457	14,230	12,366	11,677	13,700	14,249
Asian	15,287	14,804	15,550	16,477	15,414	14,948	15,585	16,084
POVERTY								
Non-Hispanic White	15.2	18.8	13.6	11.7	17.2	20.5	15.6	14.4
Non-Hispanic Black	27.6	31.1	25.6	21.9	27.0	28.8	28.3	21.9
Hispanic	35.3	37.8	31.2	24.1	34.2	37.2	28.2	26.1
Asian	21.3	24.9	19.4	11.9		26.1	20.5	21.4
		INDIC	ATORS OF I	HUMAN CAF	PITAL			
COLLEGE EDUCATION								
Non-Hispanic White	16.4	15.3	16.7	17.8	17.2	15.7	17.5	19.1
Non-Hispanic Black	12.5	11.9	13.1	13.2	12.9	12.5	12.3	14.5
Hispanic	10.6	10.1	11.6	13.0	11.4	10.9	12.5	12.8
Asian	15.1	15.9	14.2	14.4	16.7	16.7	17.2	16.3
PROFESSIONAL								
Non-Hispanic White	29.1	27.8	29.3	30.6	28.2	27.2	28.2	29.6

1								
Non-Hispanic Black	25.4	24.5	26.4	26.5	24.5	24.5	22.9	26.9
Hispanic	22.8	22.1	24.0	25.8	24.2	23.8	25.1	24,7
Asian	28.2	29.3	27.0	26.5	27.5	28.5	26.9	26.6
UNEMPLOYMENT			I					·
Non-Hispanic White	8.2	9.1	7.7	7.3	7.5	8.1	7.2	6.9
Non-Hispanic Black	13.1	14.0	12.3	11.8	10.3	10.7	11.0	8.6
Hispanic	14.3	15.0	12.9	11.1	11.9	12.6	10.4	10.1
Asian	9.9	10.3	10.4	7.3	9.2	9.1	9.0	9.8
		INDI	CATORS OF	HOUSING				
HOUSING VACANCY RATE								
Non-Hispanic White	5.2	5.6	5.0	4.7	5.3	6.0	5.0	4.6
Non-Hispanic Black	7.2	7.7	7.0	5.9	8.0	8.0	8.6	7.2
Hispanic	6.5	6.7	6.3	5.4	8.0	8.4	7.4	6.8
Asian	6.1	7.2	5.2	3.8	7.6	8.1	7.3	6.9
HOMEOWNERSHIP	······································		<u> </u>					
Non-Hispanic White	56.0	48.8	58.8	63.3	58.8	52.3	62.0	64.8
Non-Hispanic Black	40.9	35.1	43.2	52.1	44.3	41.3	43.5	50.7
Hispanic	25.5	21.8	30.5	44.4	32.0	27.7	40.0	44.7
Asian	45.5	37.2	50.1	65.9	47.0	41.2	51.0	52.3
		INDICA	TORS OF IN	MIGRATION	1			
% FOREIGN BORN								
Non-Hispanic White	7.6	7.7	7.6	7.3	7.8	8.1	7.7	7.5
Non-Hispanic Black	7.3	7.3	7.4	7.4	8.6	7.7	9.5	8.5
Hispanic	6.6	6.6	6.7	6.3	7.5	7.4	7.8	7.4
Asian	7.3	7.8	6.7	6.8	9.9	9.4	10.4	9.8
% RECENT IMMIGRANTS								
Non-Hispanic White	2.1	2.3	2.1	1.9	2.8	3.0	2.6	2.6
Non-Hispanic Black	3.5	3.6	3.4	3.3	3.4	2.9	4.2	3.1
Hispanic	2.6	2.8	2.4	2.1	3.4	3.5	3.2	3.0
Asian	2.9	3.4	2.5	1.8	4.3	4.5	4.0	4.2
% LANGUAGE OTHER THAN ENGLISH								
Non-Hispanic White	20.6	24.2	19.1	17.2	26.5	30.3	24.6	23.2
Non-Hispanic Black	23.4	26.3	22.1	17.7	30.7	31.8	32.1	26.9
Hispanic	45.8	48.0	42.4	35.1	47.2	50.0	42.0	38.9
Asian	26.0	28.2	26.8	16.9	32.3	34.2	30.5	31.2
·	INDI	CATORS OF	ISOLATION	I AND INTE	GRATION			
% MEMBERS OF OWN GROUP								
Non-Hispanic White	76.7	71.4	79.1	81.5	61.7	57.0	63.7	66.3
Non-Hispanic Black	38.9	39.5	38.1	38.7	33.3	35.2	33.7	29.5
Hispanic	41.7	44.3	37.4	29.1	45.1	48.4	38.4	36.2
Asian	1.5	1.7	1.3	1.0	4.4	4.0	4.8	4.7
% NON-HISPANIC WHITE								

Non-Hispanic White	76.7	71.4	79.1	81.5	61.7	57.0	63.7	66.3
Non-Hispanic Black	40.8	37.0	43.2	47.0	36.4	32.9	34.5	45.2
Hispanic	38.0	34.1	44.7	55.1	32.5	28.9	40.3	40.8
Asian	65.6		67.5	77.8	50.6	49.4	50.3	53.3

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Description of the indicators and measures

Data

Data for 1990 are taken from Summary Tape File 4A ("A" and "B" records) and Summary Tape File 1A of the 1990 Census of Population and Housing. Data for 2000 are taken from Summary File 3 of the 2000 Census of Population and Housing, released by the Census Bureau in August-September 2002 and Summary File 1 released in 2001. For both years, data are taken from the "split tract" summary level. This allows for the identification of tracts unique to the level of state, county, and place. Data are aggregated upward to match the geographic boundaries of metropolitan regions, cities, and suburbs in 2000.

The original source for information in both years is the Census long form questionnaire, which was completed by a 1-in-6 sample of households. The estimates are subject to sampling error. Therefore for areas with small populations, or small numbers of a particular category of residents, users should be aware that the sample values may be considerably different than if a full-count number were available. We have reduced some of the error in tract-level sample numbers by adjusting the total number of persons/household by race/ethnicity to equal the full-count number as reported in SF1 and SF2.

The initial table showing disparities in neighborhood characteristics is based on household-level data. Analyses of where racial/ethnic groups live, according to their household income, are based on household-level data. Analyses according to their nativity are based on individual-level data.

Metropolitan Statistical Areas (MSA)

The data on our pages are reported for metropolitan regions. The Census Bureau uses a standard set of definitions of the area included in each "metropolitan statistical area" (MSA) or "primary metropolitan statistical area" (PMSA). In most cases both a central city (or sometimes two or more central cities) and the ring of surrounding suburbs are included. At the top of the page for each metro area, we have listed the counties and the city (or cities) that the Census has designated as the central city (or cities) for that area. After viewing data for the entire metropolitan area, you may select to see information for only the central city or suburban portion. If there is more than one central city, please remember that what we report is for all these cities combined.

Comparability of 1990 and 2000 Incomes

For comparability, the 1990 median household and per capita income figures have been adjusted for inflation and therefore the values are represented in 2000 dollar amounts. To accomplish this, the 1990 income figures were multiplied by 1.297861 as recommended by the Census Bureau.

Exposure Indices

The exposure indices (P*) refer to the neighborhood characteristics experienced by the average member of a given group. For example, if the median household income for blacks is \$30,000, this is interpreted as the average black lives in a neighborhood where the median household income is \$30,000. Similarly, if the percent homeowner for whites is 75%, this is interpreted as the average white lives in a neighborhood where 75% of the residents own homes.

Calculation of Rankings

Our rankings for the overall group neighborhood prosperity were calculated by standardizing the values for each economic indicator (creating a Z-score). For those indicators where a higher value means a less healthy region (poverty, unemployment, housing vacancy), we took the inverse of the score by multiplying by -1. Then all the indicators were summed and a ranking was assigned - with a higher score leading to a higher (better) rank. To calculate the index for neighborhood disparities, we first created ratios of the neighborhood to neighborhood disparities (e.g. black to white neighborhoods) for each variable, standardized these values, corrected their direction, and summed the values.

Income Class Categories

Our income class categories are defined as "poor" (income below 175% of the poverty line for a family of four, \$22,500 in 1990 and \$30,000 in 2000), "affluent" (income more than 350% of the poverty line, \$45,000 in 1990 and \$60,000 in 2000), and "middle income" (those falling in between).

Neighborhoods

We use census tracts to represent neighborhoods. These data are then averaged at the metropolitan region (MSA) level, as well as for the central city and suburban portions of each MSA to arrive at the 'average' neighborhood experience for each group across a series of social and economic indicators.

Description of Variables

College Educated: The percentage of persons aged 25 and over who have at least a bachelor's degree.

Foreign Born: The percentage of the population that is foreign-born – i.e. people who are not U.S. citizens at birth.

Language Other Than English: The percentage of the population that speaks a language other than English at home. This percentage includes all categories of the "Language Spoken at Home" variable except "Speaks English Only".

Management, Professional and Related Occupations: The percentage of employed civilians aged 16 and over who have an occupation in the general census occupation category of "managerial and professional specialty occupations." The 1990 percentages have been calculated based on the Mumford Center's revised definition of professional/managerial occupations. Click here for more information.

Median Household Income: This is the median income for all households. A household includes all the people who occupy a housing unit as their usual place of residence. The median income divides the income distribution into two equal groups, one having incomes above the median, and the other having incomes below the median. The Census Bureau reports Median household income for metro areas and individual cities. For suburbs, for cities where there is more than one central city in the metropolis, and for metro areas that cross state lines, we provide estimates of the median income. These are based on a Pareto Curve interpolation from grouped data. For 1990, where income has been reported in 25 categories, the estimates are quite precise. For 2000, because only 9 categories of income have been reported, the estimates are subject to some error. Click here for more details on the procedure.

Owner-Occupied Housing Unit: The percentage of owner-occupied housing units. A housing unit is owner occupied if the owner or co-owner lives in the unit even if it is mortgaged or not fully paid for.

Per Capita Income: This is the average income figure obtained by dividing aggregate income by the total population of an area.

Poverty: The percentage of persons living below the poverty level. Following the Office of Management and Budget's (OMB's) Directive 14, the Census Bureau uses a set of money income thresholds that vary by family size and composition to detect who is poor. If the total income for a family or unrelated individual falls below the relevant poverty threshold, then the family or unrelated individual is classified as being "below the poverty level."

Recent Immigrants: The percentage of the foreign-born population entering the United States within the last ten years.

Unemployed: The percentage of persons in the labor force aged 16 and over classified as unemployed. All civilians 16 years old and over are classified as unemployed if they (1) were neither "at work" nor "with a job but not at work" during the reference week, and (2) were actively looking for work during the last 4 weeks, and (3) were available to accept a job. Also included as unemployed are civilians who did not work at all during the reference week, were waiting to be called back to a job from which they had been laid off, and were available for work except for temporary illness.

U.S. Born:The percentage of the population born in the United States, Puerto Rico, or U.S. Island Areas.

Vacancy Status: The percentage of unoccupied housing units.

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Metropolitan Racial and Ethnic Change - Census 2000



Lewis Mumford Center

for Comparative Urban and Regional Research, the University at Albany, SUNY

in collaboration with the Initiative on Spatial Structures in the Social Sciences, Brown University

Census Home

Metropolitan Area Rankings: Population of All Ages

On the following pages, we provide a summary of population counts and segregation scores for people of all ages in the 331 metropolitan areas in the 2000 Census. While we provide data for the complete list of metro areas, we strongly suggest that you use caution in interpreting scores for areas with very small racial/ethnic group populations. For many purposes, it is more meaningful to focus on the 50 metro areas with the largest numbers of group members, as we have in our analysis of national trends.

Reports

Data

Recognizing that some users are interested in smaller places, the following tables are set up to make it easy to see the national ranking of all 331 metro areas. In each table, click on the column that you would like to see ranked, and the table will be resorted on that column.

In the News

Remember that values of the index of dissimilarity in areas with small group sizes are very sensitive to change in population size. In such areas, even a small increase or decrease in the size of the group can cause a large increase or decrease in the dissimilarity index. This change is not necessarily indicative of a real change in the residential experience of the average group member. As a reminder, we have displayed in red the names of areas where one of the groups in the sorted column has a small population total (under 50,000 for Hispanics and blacks, under 20,000 for Asians). While these cutoffs are somewhat arbitrary, they are provided as an aide in identifying areas that should be interpreted with caution.

Technical Notes

Because exposure indices are inherently closely linked to the relative sizes of groups in the total population, we do not recommend making comparisons in these measures across all metro areas. Such rankings would mainly reflect the racial and ethnic composition of the areas, rather than the extent of segregation within them.

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Choose the data you would like to view

Ethnic/racial group populations: View sortable list View description

Dissimilarity Index: View sortable list View description

Return to Previous Page

Sortable List of Dissimilarity Scores [1990 rank in red, 1980 rank in green]

Dt	A N						
Rank 1	Area Name Lawrence, MA-NH PMSA	white/black	white/hispanic		black/hispanic	black/asian	hispanic/asian
2	Reading, PA MSA	42(294)(301) 59(100)(133)	75(1)(3) 72(2)(1)	38(202)(193) 35(163)(163)	47(169)(218) 23(294)(310)	39(253)(246) 42(155)(171)	63(2)(1) 56(18)(4)
3	Providence-Fall River-Warwick, RI-MA MSA	59(91)(72)	68(11)(45)	43(30)(213)	28(267)(212)	41(237)(202)	46(179)(83)
4	Bridgeport, CT PMSA	74(32)(55)	67(3)(2)	35(199)(297)	23(260)(203)	49(194)(100)	43(162)(21)
5	New York, NY PMSA	82(8)(17)	67(6)(7)	51(41)(10)	56(78)(100)	78(11)(25)	57(39)(30)
6	Newark, NJ PMSA	80(5)(16)	65(4)(5)	35(261)(248)	61(27)(43)	75(14)(46)	60(7)(10)
7 8	Hartford, CT MSA Los Angeles-Long Beach, CA PMSA	65(61)(86)	64(5)(6)	33(239)(205)	44(154)(146)	55(147)(154)	56(23)(9)
9	Springfield, MA MSA	68(36)(18) 64(71)(75)	63(13)(20) 63(8)(4)	48(58)(23) 41(74)(140)	54(50)(14) 43(116)(54)	66(62)(42) 59(74)(87)	55(68)(82) 62(1)(3)
10	Allentown-Bethlehem-Easton, PA MSA	53(168)(177)	62(14)(15)	37(151)(172)	29(250)(254)	42(218)(211)	52(34)(17)
11	Chicago, IL PMSA	81(3)(3)	62(9)(8)	44(63)(24)	77(2)(1)	82(2)(1)	63(4)(7)
12	Lancaster, PA MSA	58(102)(112)	62(7)(9)	35(236)(138)	16(330)(321)	49(184)(157)	52(25)(40)
13 14	Waterbury, CT PMSA Lowell, MA-NH PMSA	61(109)(151)	61(12)(13)	25(328)(260)	21(266)(194)	48(162)(159)	47(48)(36)
15	Tyler, TX MSA	47(279)(313) 54(179)(199)	61(17)(14) 60(21)(40)	52(16)(279) 30(271)(196)	23(257)(280) 41(188)(92)	30(293)(283) 58(134)(139)	35(300)(14) 65(9)(42)
16	Philadelphia, PA-NJ PMSA	72(14)(28)	60(10)(10)	44(82)(100)	59(24)(35)	66(39)(65)	56(20)(24)
17	Worcester, MA-CT PMSA	54(193)(208)	60(15)(17)	46(107)(127)	28(308)(268)	36(270)(254)	42(139)(45)
18	Milwaukee-Waukesha, Wi PMSA	82(4)(12)	60(22)(27)	41(100)(258)	78(5)(7)	64(34)(22)	52(130)(41)
19	New Haven-Meriden, CT PMSA	69(56)(95)	60(20)(16)	34(174)(143)	43(167)(131)	59(152)(155)	56(12)(6)
20 21	Salinas, CA MSA Boston, MA-NH PMSA	54(149)(129)	59(19)(28)	39(189)(153)	61(11)(6)	38(240)(244)	52(53)(62)
22	York, PA MSA	66(58)(42) 67(31)(46)	59(27)(26) 58(23)(59)	45(77)(14) 31(221)(199)	43(184)(149) 16(300)(259)	57(126)(64) 54(128)(131)	51(98)(53) 48(66)(85)
23	Cleveland-Lorain-Elyria, OH PMSA	77(6)(5)	58(18)(19)	38(152)(189)	75(1)(3)	75(7)(13)	61(11)(29)
24	Bergen-Passaic, NJ PMSA	73(16)(20)	58(16)(12)	36(223)(202)	44(178)(170)	70(27)(38)	56(22)(25)
25	Brockton, MA PMSA	64(177)(257)	58(32)(147)	39(212)(281)	14(328)(313)	36(288)(273)	35(214)(235)
26	Santa Cruz-Watsonville, CA PMSA	27(324)(311)	57(31)(34)	26(260)(133)	53(102)(116)	25(278)(277)	43(261)(315)
27 28	Ventura, CA PMSA Buffalo-Niagara Falls, NY MSA	46(224)(196) 77(10)(21)	56(36)(32)	30(249)(142)	35(256)(264)	29(286)(303)	47(135)(123)
29	Orange County, CA PMSA	37(289)(266)	56(30)(54) 56(46)(83)	47(28)(8) 40(233)(296)	63(12)(25) 39(233)(248)	68(13)(18) 35(259)(281)	55(6)(15) 50(106)(184)
30	Houston, TX PMSA	67(79)(44)	56(51)(43)	49(56)(57)	52(61)(30)	61(106)(44)	58(31)(26)
31	New Bedford, MA PMSA	47(211)(187)	56(55)(108)	24(297)(234)	28(290)(187)	37(212)(215)	47(75)(118)
32	Harrisburg-Lebanon-Carlisle, PA MSA	71(20)(43)	55(33)(51)	36(205)(197)	42(185)(157)	56(118)(114)	48(101)(75)
33	Naples, FL MSA	66(80)(14)	55(26)(11)	23(303)(180)	33(216)(67)	60(195)(2)	50(90)(2)
34 35	Stamford-Norwalk, CT PMSA Decatur, AL MSA	64(99)(125) 58(107)(178)	55(52)(44) 54(254)(305)	25(329)(322) 37(27)(252)	17(316)(327) 45(84)(213)	53(163)(169) 58(38)(150)	43(118)(86) 56(120)(240)
36	Dallas, TX PMSA	59(105)(32)	54(48)(48)	45(103)(132)	51(96)(34)	63(87)(21)	61(35)(39)
37	Trenton, NJ PMSA	64(63)(89)	54(29)(21)	38(170)(175)	45(192)(197)	73(32)(51)	62(5)(8)
38	Rochester, NY MSA	66(74)(113)	54(24)(24)	42(112)(104)	30(238)(223)	61(116)(80)	52(51)(19)
39	Bakersfield, CA MSA	52(156)(144)	54(25)(30)	42(89)(38)	47(114)(84)	46(197)(174)	49(43)(47)
40 41	San Francisco, CA PMSA Ulica-Rome, NY MSA	61(96)(116) 64(77)(137)	54(49)(71) 54(28)(82)	49(33)(7) 41(105)(115)	50(104)(90) 25(270)(219)	52(181)(192) 44(206)(200)	48(102)(134) 41(136)(165)
42	Sloux City, IA-NE MSA	45(138)(176)	53(69)(121)	45(43)(257)	33(251)(200)	24(227)(181)	21(270)(233)
43	Atlantic-Cape May, NJ PMSA	64(78)(70)	53(39)(22)	53(96)(253)	44(144)(48)	59(121)(92)	36(192)(43)
44	Danbury, CT PMSA	49(194)(225)	53(74)(170)	34(269)(294)	22(319)(320)	27(310)(287)	31(320)(313)
45	Richland-Kennewick-Pasco, WA MSA	38(247)(244)	53(42)(55)	24(257)(278)	36(232)(217)	33(243)(237)	55(80)(44)
46 47	Green Bay, WI MSA	41(223)(223)	53(153)(232)	42(18)(254)	39(198)(153)	31(200)(230)	30(283)(264)
48	Jamestown, NY MSA Phoenix-Mesa, AZ MSA	53(175)(216) 44(207)(170)	53(35)(58) 52(56)(38)	29(217)(265) 28(289)(301)	32(219)(240) 31(254)(225)	56(187)(227) 39(226)(209)	56(21)(95) 51(79)(63)
49	Atlanta, GA MSA	66(66)(50)	52(141)(189)	45(101)(146)	58(37)(70)	63(78)(31)	41(271)(269)
50	Middlesex-Somerset-Hunterdon, NJ PMSA	52(186)(174)	52(50)(35)	43(188)(187)	42(189)(125)	43(213)(199)	59(40)(35)
51	Yakima, WA MSA	41(228)(194)	52(37)(46)	26(250)(119)	48(51)(63)	39(216)(195)	48(76)(80)
52	Grand Rapids-Muskegon-Holland, MI MSA	67(27)(39)	52(76)(66)	41(203)(218)	58(20)(32)	61(56)(102)	45(177)(142)
53 54	San Jose, CA PMSA GreensboroWinston-SalemHigh Point, NC MSA	41(257)(255) 59(121)(128)	52(58)(69) 51(197)(177)	42(149)(233) 46(59)(56)	33(272)(285) 40(120)(164)	31(311)(314) 52(123)(78)	45(183)(223) 50(166)(112)
55	San Antonio, TX MSA	50(181)(164)	51(34)(18)	32(264)(269)	51(72)(42)	39(228)(205)	55(30)(16)
56	San Diego, CA MSA	54(148)(146)	51(70)(88)	47(46)(35)	40(200)(168)	43(235)(236)	45(156)(206)
57	Charlotte-Gastonia-Rock Hill, NC-SC MSA	55(159)(171)	50(152)(180)	43(64)(25)	41(125)(210)	45(156)(71)	43(268)(119)
58	Beaumont-Port Arthur, TX MSA	71(48)(45)	50(131)(153)	54(4)(1)	50(88)(61)	58(99)(66)	37(148)(129)
59 60	Nashua, NH PMSA Denver, CO PMSA	32(330)(327) 62(95)(104)	50(114)(237) 50(64)(47)	36(280)(229) 30(275)(303)	30(313)(323) 56(13)(17)	30(314)(272) 51(193)(191)	50(211)(182) 45(147)(122)
61	0. " 0. 1.014404	60(90)(115)	50(75)(70)	35(160)(181)	37(197)(179)	62(43)(103)	55(72)(78)
	Tucson, AZ MSA SFP03339	39(259)(240)	50(47)(33)	26(302)(310)	38(230)(196)	31(283)(280)	51(74)(74)
63	Erie, PA MSA	64(94)(149)	49(54)(119)	34(173)(250)	26(296)(237)	54(135)(175)	45(50)(135)
64	Elkhart-Goshen, IN MSA	58(86)(62)	49(142)(197)	26(298)(247)	37(69)(33)	52(113)(52)	43(161)(186)
	Athens, GA MSA Fort Smith, AR-OK MSA	46(227)(239) 55(133)(160)	49(286)(285) 49(269)(268)	38(110)(167) 50(12)(26)	33(181)(258) 23(174)(136)	54(183)(162) 33(241)(193)	58(212)(219) 31(165)(208)
	Vineland-Millville-Bridgeton, NJ PMSA	44(236)(288)	49(67)(42)	28(169)(79)	42(173)(111)	46(205)(206)	45(61)(11)
	Youngstown-Warren, OH MSA	73(15)(29)	49(53)(39)	38(80)(74)		67(19)(33)	53(19)(27)
69	Sarasota-Bradenton, FL MSA	67(23)(6)	48(95)(134)	25(299)(240)		66(31)(6)	48(128)(131)
70 71	Birmingham, AL MSA Washington, DC-MD-VA-MA/ RMSA	73(28)(47)	48(179)(146)	47(38)(42)		75(8)(62)	47(164)(87)
′'	Washington, DC-MD-VA-WV PMSA	63(88)(101)	48(83)(175)	39(195)(222)	56(49)(50)	62(86)(98)	37(243)(304)

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. 72	Omaha, NE-IA MSA	65(53)(52)	48(132)(116)	33(238)(210)	61(25)(27)	62(96)(57)	51(155)(145)
73	Fort Worth-Arlington, TX PMSA	60(111)(27)		42(123)(161)		50(136)(15)	50(62)(37)
74 75	Fresno, CA MSA	54(191)(159)		39(62)(283)	47(150)(119)	39(223)(183)	42(121)(156)
75 76	Gary, IN PMSA Memphis, TN-AR-MS MSA	84(1)(1)	48(41)(23)	32(216)(212)		82(1)(4)	56(14)(33)
77	Yuma, AZ MSA	69(64)(96) 42(292)(251)	48(165)(89)	38(198)(219)		67(40)(63)	45(171)(149)
78	Racine, WI PMSA	58(76)(106)	48(62)(117) 48(71)(63)	32(310)(225) 26(285)(299)		35(275)(231) 56(102)(156)	
79	New London-Norwich, CT-RI MSA	54(199)(215)		27(277)(106)	17(326)(322)	43(248)(264)	49(77)(89) 41(202)(246)
80	Oakland, CA PMSA	63(70)(59)	47(120)(140)	41(137)(148)	43(110)(60)	53(190)(158)	43(216)(200)
81	Nassau-Suffolk, NY PMSA	74(13)(31)	47(92)(131)	36(242)(259)	46(103)(72)	68(30)(48)	48(109)(146)
82	Des Moines, IA MSA	56(93)(90)	47(177)(163)	36(132)(195)	36(101)(69)	30(252)(218)	27(239)(218)
83 84	Fayetteville-Springdale-Rogers, AR MSA Santa Fe, NM MSA	54(46)(41)	47(227)(266)	42(76)(20)	65(8)(22)	43(151)(266)	42(167)(132)
85	Amarillo, TX MSA	32(313)(306) 63(106)(63)		29(278)(298)	31(241)(276)	33(244)(263)	44(.73)(114)
86	Minneapolis-St. Paul, MN-WI MSA	58(115)(118)	47(77)(90) 47(146)(142)	53(2)(27) 43(114)(274)	46(112)(29) 36(157)(110)	81(137)(145)	53(16)(108)
87	Austin-San Marcos, TX MSA	52(180)(136)		41(134)(186)	33(211)(122)	37(221)(173) 54(167)(128)	38(233)(183) 55(56)(61)
88	Brownsville-Harlingen-San Benito, TX MSA	40(269)(224)		43(191)(239)	48(133)(126)	41(211)(201)	56(67)(130)
89	Corpus Christi, TX MSA	44(167)(110)	46(59)(36)	32(219)(169)	37(204)(171)	46(198)(116)	56(60)(22)
90	Waco, TX MSA	52(184)(134)		41(153)(134)	33(215)(117)	57(146)(108)	53(87)(141)
91 92	Nashville, TN MSA El Paso, TX MSA	57(132)(132)		42(85)(68)	47(97)(133)	53(115)(70)	40(220)(150)
93	Santa Barbara-Santa Maria-Lompoc, CA MSA	38(297)(291)		21(325)(280)	50(83)(88)	31(302)(319)	52(37)(13)
94	Columbus, GA-AL MSA	41(267)(279) 58(164)(218)	46(99)(110) 46(43)(50)	30(241)(238) 35(98)(29)	40(222)(251) 48(73)(147)	38(256)(279)	37(253)(300)
95	Rockford, IL MSA	63(34)(34)	46(66)(65)	39(106)(191)	44(124)(178)	55(186)(197) 62(26)(35)	29(303)(296) 48(32)(52)
96	Fort Wayne, IN MSA	71(19)(36)	46(115)(98)	42(127)(81)	45(82)(95)	63(95)(84)	44(159)(76)
97	Kansas City, MO-KS MSA	69(39)(33)	48(111)(99)	35(222)(211)	59(26)(20)	65(53)(53)	39(199)(157)
98	Detroit, MI PMSA	85(2)(4)	46(113)(94)	46(99)(99)	78(3)(5)	81(3)(11)	59(44)(59)
99	Syracuse, NY MSA	69(37)(57)	46(94)(133)	46(66)(70)	40(136)(152)	59(89)(117)	47(89)(171)
100	Wilmington-Newark, DE-MD PMSA	54 (171)(155)	45(97)(85)	33(229)(215)	40(209)(192)	57(100)(115)	52(63)(65)
101	Tampa-St. Petersburg-Clearwater, FL MSA	64(51)(26)	45(68)(41)	34(210)(207)	52(28)(13)	61(50)(30)	40(141)(98)
102 103	Jersey City, NJ PMSA Odessa-Midland, TX MSA	66(41)(40)	45(82)(49)	45(108)(19)	67(7)(4)	56(112)(58)	50(71)(50)
104	Longview-Marshall, TX MSA	52(144)(9) 45(222)(242)	45(60)(25)	31(246)(267)	39(207)(162)	55(169)(9)	55(42)(23)
105	McAllen-Edinburg-Mission, TX MSA	45(233)(243) 49(291)(282)	45(163)(185) 45(103)(72)	37(145)(121) 43(214)(255)	31(225)(188) 58(141)(129)	47(191)(213)	41(160)(280)
106	Oklahoma City, OK MSA	54(126)(79)	44(164)(219)	37(148)(114)	55(65)(38)	58(245)(240) 52(160)(90)	65(17)(66) 50(119)(194)
107	Miami, FL PMSA	74(35)(19)	44(44)(37)	31(295)(291)	74(4)(2)	66(63)(32)	45(88)(100)
108	Saginaw-Bay City-Midland, MI MSA	74(7)(10)	44(65)(53)	42(92)(40)	48(138)(184)	76(4)(8)	56(28)(18)
109	Elmira, NY MSA	51(158)(181)	44(38)(75)	33(166)(246)	23(265)(265)	60(149)(170)	54(15)(38)
110	Indianapolis, IN MSA	71(25)(22)	44(249)(220)	39(150)(116)	52(35)(36)	60(79)(59)	43(222)(209)
111	Kankakee, IL PMSA	73(21)(48)	44(136)(115)	35(109)(60)	42(63)(58)	75(24)(37)	57(78)(55)
112 113	Lubbock, TX MSA Hickory-Morganton-Lenoir, NC MSA	55(116)(99)	44(61)(29)	34(175)(236)	37(176)(114)	60(83)(67)	55(3)(5)
114	Daytona Beach, FL MSA	49(187)(207)	43(171)(258)	38(34)(117)	39(129)(159)	49(119)(196)	43(49)(159)
115	Fort Myers-Cape Coral, FL MSA	57(67)(24) 71(11)(2)	43(80)(228) 43(109)(81)	24(306)(268) 28(315)(227)	58(10)(12) 52(70)(10)	53(59)(12) 65(44)(3)	45(112)(238) 39(215)(68)
116	West Palm Beach-Boca Raton, FL MSA	67(18)(8)	43(88)(74)	30(237)(235)	53(33)(23)	61(36)(17)	41(143)(84)
117	Salem, OR PMSA	34(253)(262)	43(125)(150)	27(267)(286)	40(159)(148)	26(249)(243)	42(108)(168)
118	Fort Pierce-Port St. Lucie, FL MSA	62(29)(13)	43(87)(61)	24(318)(289)	43(47)(16)	60(33)(5)	38(154)(105)
119	Fitchburg-Leominster, MA PMSA	34(304)(322)	43(93)(105)	32(251)(226)	22(327)(309)	17(322)(321)	19(324)(228)
120	Johnstown, PA MSA	70(30)(35)	43(127)(169)	44(57)(31)	39(91)(57)	72(18)(50)	54(59)(107)
121 122	Raleigh-Durham-Chapel Hill, NC MSA	46(216)(233)	43(268)(276)	41(86)(89)	34(191)(224)	59(88)(83)	54(175)(144)
123	Riverside-San Bernardino, CA PMSA Bryan-College Station, TX MSA	46(243)(211)	43(139)(114)	38(226)(263)	35(237)(180)	38(262)(247)	42(189)(189)
124	Wichita, KS MSA	49(218)(168) 58(97)(67)	43(124)(80) 43(155)(165)	38(37)(224) 44(67)(84)	26(285)(261)	68(71)(74)	B0(10)(31)
125	Las Vegas, NV-AZ MSA	43(200)(156)	43(216)(292)	30(284)(319)	51(48)(21) 32(214)(107)	43(214)(185) 37(225)(186)	45(118)(181) 39(294)(310)
126	Visalia-Tulare-Porterville, CA MSA	42(198)(158)	43(105)(113)	42(53)(28)	50(79)(115)	49(165)(97)	36(176)(151)
127	Salt Lake City-Ogden, UT MSA	37(222)(200)	43(172)(161)	30(258)(308)	28(280)(269)	31(254)(245)	29(301)(261)
128	Victoria, TX MSA	44(231)(232)	42(100)(76)	34(274)(284)	16(325)(329)	47(215)(251)	50(96)(158)
129	Clarksville-Hopkinsville, TN-KY MSA	39(284)(290)	42(63)(73)	35(78)(3)	29(226)(255)	32(238)(250)	19(330)(323)
130	Texarkana, TX-Texarkana, AR MSA	45(262)(287)	42(241)(215)	30(194)(126)	43(160)(242)	38(219)(233)	44(84)(163)
131 132	Sioux Falls, SD MSA Albany-Schenectady-Troy, NY MSA	39(281)(307)	42(218)(254)	28(287)(108)	17(291)(293)	23(298)(261)	28(250)(215)
133	Gadsden, AL MSA	61(117)(152)	41(128)(164)	41(113)(66)	34(190)(134)	53(168)(179)	42(150)(115)
134	Reno, NV MSA	71(44)(83) 34(296)(281)	41(167)(200) 41(190)(326)	47(5)(36) 26(300)(316)	44(46)(124) 24(315)(267)	57(77)(141) 23(318)(290)	46(41)(125) 32(318)(325)
135	Janesville-Beloit, WI MSA	61(59)(82)	41(247)(234)	31(157)(243)	31(130)(101)	49(150)(176)	36(205)(241)
136	Grand Forks, ND-MN MSA	44(124)(143)	41(90)(129)	35(71)(107)	47(56)(160)	29(234)(271)	46(45)(188)
137	Kenosha, WI PMSA	50(123)(141)	41(91)(86)	27(291)(262)	19(248)(220)	51(125)(166)	46(92)(166)
138	Albuquerque, NM MSA	32(290)(300)	41(102)(68)	25(321)(220)	35(217)(202)	27(295)(312)	48(83)(46)
139	Orlando, FL MSA	57(130)(61)	41(193)(199)	36(256)(231)	52(40)(11)	54(110)(23)	33(298)(281)
140 141	Richmond-Petersburg, VA MSA Manchester, NH PMSA	57(134)(145)	41(186)(149)	34(224)(182)	47(113)(204)	62(97)(99)	37(238)(199)
142	Manchester, NH PMSA Sheboygan, WI MSA	40(320)(323) 54(120)(74)	41(205)(196) 40(112)(139)	29(293)(323)	19(320)(315)	26(269)(299)	28(184)(204)
143	Tules OV MOA	54(120)(74) 59(104)(38)	40(112)(139) 40(266)(294)	47(19)(251) 40(102)(85)	50(22)(8) 48(67)(18)	56(29)(45) 58(92)(28)	19(260)(232) 36(228)(224)
144	Glens Falls, NY MSA SFP03340	63(22)(37)	40(40)(102)	23(281)(152)	25(304)(227)	63(15)(24)	46(13)(20)
145	Topeka, KS MSA	48(192)(214)	40(130)(118)	28(272)(178)	28(252)(262)	48(204)(226)	46(127)(99)
146	Benton Harbor, MI MSA	74(26)(60)	40(143)(125)	44(24)(39)	66(15)(31)	75(6)(26)	45(152)(217)
147	Waterloo-Cedar Falls, IA MSA	65(62)(49)	40(288)(300)	25(247)(276)	39(29)(55)	65(20)(19)	44(227)(236)

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148	Greenville-Spartanburg-Anderson, SC MSA	46(210)(220)	40(237)(233)	43(42)(45)	46(149)(231)	56(109)(165)	47(138)(102)
.149	Davenport-Moline-Rock Island, IA-IL MSA	54(140)(138)	40(126)(101)	39(211)(149)	46(142)(137)	46(185)(187)	46(124)(173)
150	Sacramento, CA PMSA	56(166)(184)	40(145)(156)	49(39)(15)	32(247)(233)	28(276)(242)	32(258)(211)
151	Lexington, KY MSA	48(189)(185)	40(170)(308)	42(68)(90)	35(109)(138)	56(73)(85)	55(145)(155)
152	Pine Bluff, AR MSA	62(118)(88)	40(122)(67)	39(165)(54)	43(164)(282)	58(127)(136)	45(126)(28)
153	Boise City, ID MSA	23(322)(317)	40(96)(97)	19(330)(327)	49(90)(123)	18(290)(295)	48(107)(160)
154	Newburgh, NY-PA PMSA	51(163)(197)	40(106)(107)	29(273)(206)	20(312)(273)	41(189)(188)	34(142)(121)
155	Abilene, TX MSA	39(270)(250)	39(104)(96)	26(296)(273)	32(245)(209)	35(273)(253)	47(95)(143)
156	Scranton-Wilkes-Barre-Hazleton, PA MSA	56(89)(91)	39(191)(246)	37(84)(61)	39(152)(73)	48(202)(149)	39(144)(179)
157 158	Lafayette, IN MSA	35(275)(297)	39(245)(191)	56(6)(2)	35(286)(270)	49(233)(260)	67(99)(104)
159	San Angelo, TX MSA Dubuque, IA MSA	35(274)(236)	39(98)(56)	25(290)(249)	27(246)(211)	29(277)(229)	40(172)(106)
160	Lansing-East Lansing, MI MSA	40 (239)(269) 57(150)(189)	39(160)(255) 39(121)(103)	34(55)(109)	11(279)(278) 33(239)(260)	38(260)(275)	37(185)(190) 47(64)(64)
161	Kalamazoo-Baitle Creek, MI MSA	53(151)(166)	39(183)(167)	48(21)(75) 40(119)(166)	42(194)(174)	47(192)(207) 58(103)(140)	55(52)(81)
162	Sherman-Denison, TX MSA	48(201)(180)	39(214)(240)	32(116)(86)	26(240)(167)	35(203)(198)	34(190)(276)
163	Jackson, TN MSA	56(145)(130)	38(169)(87)	37(135)(130)	43(221)(298)	57(170)(204)	39(195)(93)
164	State College, PA MSA	49(212)(249)	38(144)(179)	49(17)(34)	25(295)(266)	33(274)(307)	24(302)(309)
165	Rocky Mount, NC MSA	43(221)(274)	38(148)(104)	42(49)(37)	46(162)(302)	54(28)(95)	58(8)(12)
166	Monmouth-Ocean, NJ PMSA	63(81)(98)	38(149)(130)	41(122)(157)	41(187)(161)	59(114)(132)	46(132)(138)
167	Ann Arbor, MI PMSA	63(125)(186)	38(116)(93)	59(9)(12)	54(43)(91)	56(178)(223)	53(38)(92)
168	Madison, WI MSA	46(209)(261)	38(209)(221)	44(20)(21)	23(263)(294)	40(210)(262)	32(170)(193)
169	Columbus, OH MSA	63(69)(66)	38(229)(223)	41(65)(47)	47(87)(75)	62(84)(47)	40(210)(169)
170	Boulder-Longmont, CO PMSA	23(328)(314)	38(201)(186)	25(294)(314)	39(220)(215)	18(329)(325)	44(169)(220)
171	Las Cruces, NM MSA	28(325)(294)	38(134)(111)	29(254)(285)	45(166)(154)	25(301)(323)	50(47)(49)
172	Wichita Falls, TX MSA	54(110)(85)	37(129)(109)	32(156)(97)	41(135)(79)	40(217)(212)	39(191)(201)
173	Lakeland-Winter Haven, FL MSA	55(127)(102)	37(203)(143)	31(225)(122)	51(93)(52)	59(41)(89)	48(82)(72)
174	Dothan, AL MSA	43(238)(183)	37(73)(84)	39 (88)(9)	48(58)(113)	50(159)(61)	29(265)(239)
175	Greeley, CO PMSA	34(308)(275)	37(138)(155)	26(319)(290)	39(165)(140)	24(296)(249)	43(194)(139)
176	Binghamton, NY MSA	49(248)(296)	37(235)(288)	48(104)(125)	21(293)(297)	39(251)(257)	32(273)(243)
177	Stockton-Lodi, CA MSA	54(135)(148)	37(140)(126)	49(11)(62)	39(213)(238)	28(267)(259)	41(129)(214)
178	Flagstaff, AZ-UT MSA	37(268)(330)	37(159)(324)	24(253)(330)	22(305)(290)	31(247)(329)	33(186)(328)
179	Baltimore, MD PMSA	68(42)(56)	36(204)(171)	39(154)(150)	56(41)(87)	64(68)(81)	34(267)(273)
180	Modesto, CA MSA	35(287)(235)	36(158)(135)	33(185)(292)	36(205)(121)	21(321)(238)	35(168)(96)
181	Enid, OK MSA	31(302)(283)	36(311)(318)	20(311)(325)	26(309)(247)	29(304)(282)	37(326)(330)
182 183	New Orleans, LA MSA	69(65)(81)	36(188)(244)	48(32)(6)	59(34)(47) 38(218)(235)	67(35)(34)	40(117)(77) 55(33)(51)
184	Yolo, CA PMSA Louisville, KY-IN MSA	23(326)(326)	36(161)(138) 36(251)(253)	30(215)(295) 41(140)(135)	55(31)(53)	30(292)(311) 63(58)(56)	35(221)(216)
185	Savannah, GA MSA	64(49)(58) 57(129)(124)	36(174)(154)	33(196)(198)	52(53)(195)	54(133)(105)	29(286)(252)
186	Columbia, SC MSA	52(174)(182)	35(119)(95)	40(115)(93)	41(134)(166)	50(154)(133)	36(262)(226)
187	Chattanooga, TN-GA MSA	69(38)(64)	35(239)(222)	40(125)(162)	53(21)(106)	61(65)(94)	36(249)(161)
188	Little Rock-North Little Rock, AR MSA	61(119)(142)	35(256)(205)	35(171)(55)	43(59)(156)	59(122)(130)	38(256)(242)
189	Portland-Vancouver, OR-WA PMSA	48(101)(105)	35(253)(301)	32(259)(282)	47(52)(49)	45(142)(135)	40(200)(266)
190	Williamsport, PA MSA	61(84)(131)	35(86)(182)	32(235)(203)	35(183)(128)	60(66)(125)	39(104)(164)
191	Toledo, OH MSA	69(33)(23)	35(118)(77)	36(128)(144)	59(16)(15)	66(47)(39)	52(26)(32)
192	Santa Rosa, CA PMSA	33(306)(289)	35(258)(286)	27(307)(326)	29(271)(271)	22(327)(302)	33(296)(293)
193	Fargo-Moorhead, ND-MN MSA	34(317)(270)	35(117)(190)	32(187)(287)	40(223)(198)	26(307)(288)	38(113)(244)
194	Albany, GA MSA	63(92)(114)	35(133)(62)	24(262)(245)	42(186)(274)	61(138)(138)	36(251)(225)
195	Joplin, MO MSA	41(157)(157)	35(282)(250)	29(90)(53)	43(131)(78)	39(174)(147)	35(125)(117)
196	Tallahassee, FL MSA	46(195)(213)	35(196)(248)	29(255)(324)	34(153)(208)	52(148)(220)	36(231)(316)
197	Goldsboro, NC MSA	46(235)(292)	34(181)(193)	35(91)(32)	48(151)(244)	48(207)(164)	48(244)(234)
198	Hamilton-Middletown, OH PMSA	47(137)(78)	34(296)(306)	43(69)(145)	31(85)(45)	50(108)(40)	41(217)(203)
199	Charleston-North Charleston, SC MSA	47(206)(192)	34(228)(201)	34(181)(95)	41(106)(199)	54(111)(73)	31(288)(249)
200	Cumberland, MD-WV MSA	55(173)(209)	34(135)(184)	41(44)(13)	35(203)(206)	63(140)(182)	44(134)(73)
201 202	Huntsville, AL MSA Peoria-Pekin, IL MSA	56(152)(210)	34(195)(204) 34(162)(141)	41(70)(51) 45(54)(101)	44(132)(169) 46(127)(130)	59(107)(146) 63(132)(167)	41(252)(247) 46(85)(116)
203	St. Cloud, MN MSA	71(47)(84) 41(250)(241)	34(192)(183)	45 (54)(101) 43 (162)(49)	43(234)(201)	21(312)(305)	40(219)(152)
204	Honolulu, HI MSA	36(255)(267)	34(168)(148)	41(139)(72)	35(148)(158)	49(105)(142)	27(277)(299)
205	Provo-Orem, UT MSA	26(288)(221)	33(314)(313)	28(248)(242)	27(255)(185)	23(319)(270)	27(305)(303)
206	Dutchess County, NY PMSA	55(162)(212)	33(107)(123)	30(244)(94)	30(244)(245)	55(144)(137)	40(100)(57)
207	Wilmington, NC MSA	50(155)(198)	33(293)(225)	29(200)(154)	41(155)(222)	57(104)(161)	42(218)(147)
208	Champaign-Urbana, IL MSA	47(220)(245)	33(108)(152)	42(31)(69)	37(119)(173)	53(130)(208)	29(224)(267)
209	Asheville, NC MSA	60(87)(121)	33(270)(261)	27(184)(63)	51(75)(120)	50(143)(153)	34(201)(231)
210	Pueblo, CO MSA	39(273)(277)	33(166)(151)	31(276)(232)	25(289)(277)	46(220)(234)	42(174)(197)
211	Jackson, MS MSA SFP03341	62(57)(87)	33(206)(57)	35(204)(103)	47(100)(253)	66(45)(124)	41(182)(71)
212	Merced, CA MSA	34(300)(264)	33(150)(128)	40(40)(200)	33(228)(243)	31(242)(248)	32(197)(133)
213	Lincoln, NE MSA	37(266)(284)	33(260)(239)	33(227)(221)	17(281)(301)	25(317)(317)	24(287)(279)
214	Baton Rouge, LA MSA	67(83)(92)	32(243)(257)	51(23)(77)	57(32)(98)	66(55)(69)	41(187)(229)
215	Macon, GA MSA	53(196)(202)	32(176)(178)	29(234)(159)	48(115)(239)	59(120)(118)	31(278)(195)
216	Anniston, AL MSA	55(170)(172)	32(101)(78)	35(75)(44)	45(66)(76)	52(158)(104)	31(323)(253)
217	Rochester, MN MSA	47(263)(295)	32(246)(302)	32(220)(321)	31(297)(281)	32(281)(286)	23(299)(322)
218	Decatur, IL MSA Cabaston-Texas City, TY PMSA	54(143)(154)	32(222)(181)	32(209)(147)	39(139)(214)	57(72)(143) 84(82)(55)	32(208)(97) 48(114)(140)
219 220	Galveston-Texas City, TX PMSA Dover, DE MSA	60(103)(80) 38(312)(318)	32(175)(168) 32(185)(235)	35(158)(80) 37(147)(43)	44(156)(103) 22(317)(289)	64(82)(55) 27(279)(265)	48(114)(140) 28(314)(285)
221	Tuscaloosa, AL MSA	55(204)(230)	32(279)(227)	45(26)(141)	44(143)(279)	57(57)(184)	49(94)(170)
222	Tacoma, WA PMSA	46(217)(238)	32(242)(173)	34(177)(209)	24(306)(319)	25(305)(294)	23(309)(320)
223	Ocala, FL MSA	51(182)(167)	32(287)(265)	26(279)(256)	40(108)(86)	48(124)(177)	35(207)(245)
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224	Fort Lauderdale, FL PMSA	62(52)(11)	32(250)(236)	28(316)(300)	53(38)(9)	55(90)(14)	21(322)(297)
225	Appleton-Oshkosh-Neenah, WI MSA	44(165)(122)	32(236)(262)	39(52)(87)	41(140)(40)	40(196)(144)	37(157)(154)
226	Norfolk-Virginia Beach-Newport News, VA-NC MSA	46(214)(179)	32(207)(208)	34(206)(120)	40(147)(132)	49(175)(119)	28(284)(290)
227 228	San Luis Obispo-Atascadero-Paso Robles, CA MSA Seattle-Bellevue-Everett, WA PMSA	49(215)(229)	31(212)(210)	25(270)(305)	40(242)(176)	52(201)(210)	37(180)(260)
229	Medford-Ashland, OR MSA	50(160)(119) 27(311)(258)	31(309)(312) 31(292)(263)	35(180)(113) 20(309)(317)	33(199)(96) 27(282)(145)	32(255)(258) 24(280)(239)	30(285)(270) 35(230)(268)
230	Pittsfield, MA MSA	44(205)(227)	31(277)(319)	24(323)(201)	27(243)(163)	28(231)(217)	20(304)(263)
231	Fayetteville, NC MSA	33(310)(305)	31(187)(137)	30(243)(208)	26(258)(252)	27(264)(269)	19(328)(306)
232	Colorado Springs, CO MSA	41(256)(280)	31(248)(231)	23(286)(194)	20(303)(303)	29(320)(324)	28(315)(312)
233	Jackson, MI MSA	65(55)(54)	31(219)(158)	36(129)(151)	43(145)(143)	69(10)(16)	42(57)(60)
234 235	Augusta-Aiken, GA-SC MSA Billings, MT MSA	45(241)(259)	30(147)(106)	37(111)(91)	35(193)(234)	50(186)(219)	36(272)(258)
236	Myrtle Beach, SC MSA	31(246)(309) 50(197)(150)	30(151)(127) 30(189)(124)	15(331)(306) 34(73)(270)	17(318)(312) 44(44)(112)	27(232)(308) 65(25)(163)	29(203)(202) 34(254)(329)
237	Huntington-Ashland MA/KV.OH MSA	, 60(72)(68)	30(110)(245)	43(35)(18)	51(18)(62)	55(80)(49)	43(55)(67)
238	Lima, OH MSA	65(68)(97)	30(200)(172)	31(93)(11)	39(158)(150)	57(60)(76)	35(105)(79)
239	Cincinnati. OH-KY-IN PMSA	75(17)(25)	30(230)(192)	42(95)(112)	62(23)(80)	68(37)(54)	39(209)(167)
240	Sumter, SC MSA	42(240)(231)	30(137)(136)	32(159)(16)	39(168)(304)	56(101)(127)	32(308)(185)
241 242	Pittsburgh, PA MSA St. Louis, MO-IL MSA	67(50)(71)	30(215)(202)	49(25)(41)	55(45)(68)	71(22)(43)	41(111)(111)
243	Shreveport-Bossier City, LA MSA	74(12)(15) 57(122)(139)	29(262)(213) 29(240)(194)	42(117)(83) 32(168)(190)	63(9)(24) 52(80)(183)	70(23)(20) 61(52)(106)	38(198)(178) 27(282)(230)
244	Vallejo-Fairfield-Napa, CA PMSA	51(208)(228)	29(299)(304)	47(60)(67)	41(210)(189)	28(282)(300)	45(123)(177)
245	Greenville, NC MSA	36(260)(169)	29(226)(157)	30(167)(328)	35(208)(308)	50(69)(148)	53(54)(153)
246	Brazoria, TX PMSA	43(203)(205)	29(238)(209)	42(190)(173)	41(180)(155)	55(94)(123)	55(93)(90)
247	Laredo, TX MSA	30(278)(278)	29(157)(92)	32(288)(98)	41(161)(181)	37(171)(126)	54(36)(56)
248 249	Chico-Paradise, CA MSA Yuba City, CA MSA	39(229)(195)	29(232)(226)	38(130)(288)	37(206)(127)	24(272)(228)	32(246)(271)
250	Jonesboro, AR MSA	32(303)(285) 48(142)(254)	29(271)(267) 28(178)(311)	34(228)(228) 38(45)(118)	39(177)(151) 24(94)(291)	36(224)(222) 27(309)(285)	37(234)(254) 34(122)(180)
251	Alexandria, LA MSA	62(114)(109)	28(284)(217)	42(61)(50)	55(77)(105)	54(64)(86)	42(236)(256)
252	Great Falls, MT MSA	38(234)(190)	28(223)(214)	22(231)(217)	20(262)(286)	23(324)(296)	17(306)(326)
253	Montgomery, AL MSA	56(136)(165)	28(213)(187)	38(172)(185)	47(123)(249)	60(76)(91)	30(226)(148)
254	Bloomington-Normal, IL MSA	35(282)(276)	28(184)(176)	39(161)(164)	20(314)(292)	36(250)(297)	37(146)(124)
255 256	Jacksonville, NC MSA Lewiston-Auburn, ME MSA	28(331)(320)	28(280)(160)	26(268)(216)	23(324)(317)	19(313)(276)	23(311)(286)
257	Corvallis, OR MSA	28 (323)(316) 3 1(316)(325)	27(252)(251) 27(327)(329)	21(304)(264) 31(126)(204)	21(259)(316) 23(311)(326)	24(300)(313) 21(328)(330)	34(229)(237) 32(269)(274)
258	Terre Haute, IN MSA	57(139)(163)	27(79)(165)	47(13)(78)	35(170)(205)	58(131)(216)	45(46)(174)
259	Biloxi-Gulfport-Pascagoula, MS MSA	52(188)(206)	27(285)(271)	39(48)(17)	43(118)(144)	53(153)(172)	35(115)(210)
260	Filnt, MI PMSA	77(9)(7)	27(182)(145)	35(164)(139)	64(19)(51)	77(5)(7)	42(103)(91)
261	Monroe, LA MSA	71(40)(65)	27(259)(162)	47(8)(4)	55(30)(135)	66(21)(88)	45(27)(69)
262 263	Altoona, PA MSA Hagerstown, MD PMSA	48(202)(193)	27(198)(277)	29(143)(266)	33(137)(94)	51(173)(214)	34(204)(221)
264	Dayton-Springfield, OH MSA	62(43)(53) 70(24)(30)	27(123)(195) 27(231)(218)	34(97)(131) 36(155)(136)	53(122)(59) 61(17)(37)	63(161)(113) 74(9)(36)	29(240)(283) 37(266)(248)
265	Akron, OH PMSA	66(54)(51)	27(289)(270)	37(138)(176)	48(60)(81)	58(81)(29)	29(213)(192)
266	Knoxville, TN MSA	58(113)(127)	27(244)(303)	41(29)(5)	51(55)(66)	60(54)(72)	37(196)(101)
267	Killeen-Temple, TX MSA	42(264)(247)	27(275)(188)	38(120)(64)	25(298)(299)	22(308)(289)	31(223)(259)
268 269	Florence, SC MSA Jacksonville, FL MSA	43(230)(217)	27(224)(91)	37(131)(82)	34(182)(314)	59(49)(107)	49(110)(34)
270	Evansville-Henderson, IN-KY MSA	54(146)(108) 56(131)(123)	26(303)(297) 26(302)(290)	35(230)(96) 35(207)(168)	48(64)(74) 44(57)(99)	55(117)(41) 60(98)(110)	21(313)(272) 30(247)(207)
271	Portland, ME MSA	43(307)(298)	26(305)(283)	36(192)(192)	26(288)(232)	24(291)(292)	29(276)(282)
272	Steubenville-Weirton, OH-WV MSA	80(108)(120)	26(194)(247)	32(94)(71)	50(146)(44)	61(85)(60)	36(97)(172)
273	Wheeling, WV-OH MSA	56(161)(191)	26(156)(198)	40(50)(65)	55(39)(64)	61(93)(151)	42(29)(103)
274	Barnstable-Yarmouth, MA MSA	40(244)(331)	26(217)(331)	23(265)(331)	21(301)(331)	31(257)(331)	21(289)(331)
275 276	Anchorage, AK MSA Bangor, ME MSA	36(309)(308)	26(317)(298)	29(317)(329)	21(323)(325)	28(263)(315)	16(312)(327)
277	Duluth-Superior, MN-WI MSA	30(280)(304) 47(190)(173)	26(272)(279) 26(202)(174)	31(208)(123) 34(146)(223)	16(264)(241) 34(212)(207)	20(268)(291) 37(229)(224)	25(292)(251) 29(188)(250)
278	Mobile, AL MSA	64(75)(94)	26(273)(230)	48(14)(59)	55(36)(165)	67(12)(93)	43(81)(175)
279	Owensboro, KY MSA	50(176)(161)	25(274)(328)	29(218)(244)	43(111)(118)	53(182)(203)	34(181)(287)
280	Bloomington, IN MSA	34(298)(268)	25(300)(206)	41(72)(58)	20(310)(328)	33(306)(328)	27(257)(311)
281	Roanoke, VA MSA	64(60)(93)	25(298)(252)	27(283)(174)	52(74)(139)	60(70)(122)	23(255)(196)
282 283	Punta Gorda, FL MSA Muncie, IN MSA	41(251)(226)	25(287)(120)	25(292)(320)	26(302)(216)	31(258)(190)	22(321)(298)
284	Florence, AL MSA	55(128)(73) 44(252)(252)	25(265)(229) 25(301)(314)	38(121)(183) 40(124)(111)	48(105)(85) 38(163)(226)	58(67)(79) 52(188)(160)	33(193)(227) 40(245)(137)
285	Mansfield, OH MSA	67(45)(76)	25(211)(238)	31(201)(158)	52(95)(109)	68(46)(96)	36(137)(128)
286	Johnson City-Kingsport-Bristol, TN-VA MSA	51(154)(126)	25(255)(282)	40(83)(22)	45(92)(65)	44(157)(121)	34(151)(88)
287	Charlottesville, VA MSA	36(283)(273)	25(307)(278)	47(51)(76)	35(224)(221)	51(164)(152)	39(206)(191)
288 289	Cheyenne, WY MSA Melbourne-Titusville-Palm Bay, FL MSA	32(299)(242)	25(199)(132)	20(327)(307)	22(278)(300)	23(316)(316)	31(259)(257)
290	Rapid City, SD MSA	49(178)(100) 30(271)(248)	25(315)(317) 25(225)(216)	21(320)(293) 23(193)(230)	42(121)(77) 19(284)(296)	48(199)(134) 16(325)(304)	20(329)(314)
291	Eugene-Springfield, OR MSA	30(314)(303)	24(326)(323)	33(182)(171)	25(307)(256)	26(294)(320)	18(290)(289) 37(241)(212)
292	Charleston, WV MSA	59(112)(147)	24(221)(280)	45(36)(30)	49(117)(102)	56(129)(129)	39(133)(120)
293	Fort Walton Beach, FL MSA	33(286)(246)	24(290)(256)	24(308)(277)	26(269)(246)	25(271)(268)	17(331)(321)
294	Wausau, WI MSA	40(237)(135)	24(154)(144)	53(1)(156)	33(171)(41)	28(172)(101)	45(58)(94)
295 296	Panama City, FL MSA Danville, VA MSA SFP03342	53(185)(140) 35(295)(324)	24(283)(242) 23(234)(203)	30(245)(160) 35(79)(88)	43(76)(39) 34(299)(307)	38(230)(194) 47(139)(225)	24(317)(255)
297	Kokomo, IN MSA	49(141)(69)	23(263)(212)	40(183)(214)	36(126)(56)	51(177)(77)	41(86)(48) 43(131)(162)
298	lowa City, IA MSA	36(319)(312)	23(308)(322)	38(87)(188)	19(321)(324)	26(285)(322)	33(274)(301)
299	Grand Junction, CO MSA	30(276)(310)	23(291)(281)	16(305)(304)	21(275)(272)	33(303)(309)	30(291)(292)

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300	Sharon, PA MSA	66(73)(77)	23(208)(207)	32(142)(110)	56(54)(89)	71(17)(10)	36(140)(58)
301	.Hattiesburg, MS MSA	55(147)(117)	23(173)(159)	46(22)(33)	39(81)(71)	55(48)(111)	36(235)(262)
302	Bellingham, WA MSA	27(318)(321)	23(306)(310)	26(322)(311)	30(235)(229)	16(330)(327)	31(248)(213)
303	Springfield, IL MSA	59(85)(111)	23(264)(273)	39(144)(165)	46(62)(46)	58(61)(109)	35(173)(198)
304	Springfield, MO MSA	47(169)(188)	23(320)(307)	34(179)(155)	29(175)(190)	40(208)(221)	33(225)(187)
305	Parkersburg-Marietta, WV-OH MSA	36(232)(222)	23(210)(249)	33(136)(128)	35(179)(97)	43(176)(180)	36(163)(113)
306	Pensacola, FL MSA	52(153)(153)	23(312)(309)	28(240)(137)	48(98)(93)	50(179)(112)	24(307)(277)
307	Lynchburg, VA MSA	38(277)(299)	23(233)(272)	37(186)(46)	34(202)(288)	52(180)(178)	31(232)(54)
308	Columbia, MO MSA	40(242)(263)	22(281)(315)	37(81)(179)	29(227)(250)	43(209)(235)	31(263)(307)
309	Eau Claire, WI MSA	40(226)(203)	22(220)(264)	41(10)(102)	30(231)(172)	28(222)(241)	36(70)(222)
310	Lafayette, LA MSA	51(172)(175)	22(261)(321)	44(15)(105)	48(128)(142)	65(16)(168)	34(69)(295)
311	Bremerton, WA PMSA	42(254)(272)	22(321)(291)	26(313)(275)	24(287)(295)	29(261)(293)	22(325)(324)
312	Aubum-Opelika, Al. MSA	40(265)(219)	22(304)(211)	39(197)(48)	41(195)(287)	53(141)(82)	42(280)(70)
313	Fort Collins-Loveland, CO MSA	29(305)(319)	22(297)(241)	30(232)(271)	30(236)(230)	19(326)(326)	37(149)(205)
314	Houma, LA MSA	49(183)(162)	22(325)(325)	39(7)(52)	47(86)(82)	55(51)(120)	36(24)(109)
315	Gainesville, FL MSA	45(245)(237)	22(310)(269)	32(178)(237)	47(107)(83)	62(91)(68)	19(293)(318)
316	Bismarck, ND MSA	24(293)(260)	21(278)(320)	24(266)(73)	25(261)(193)	25(265)(256)	29(295)(127)
317	La Crosse, WI-MN MSA	37(249)(293)	21(180)(275)	39(3)(184)	25(283)(284)	19(266)(267)	28(158)(265)
318	Olympia, WA PMSA	37(258)(315)	21(328)(327)	31(213)(177)	23(277)(306)	20(323)(318)	23(310)(278)
319	Canton-Massillon, OH MSA	59(98)(103)	21(257)(224)	34(133)(124)	49(89)(104)	65(42)(27)	37(153)(126)
320	Casper, WY MSA	30(285)(253)	21(318)(260)	24(326)(302)	15(268)(275)	32(299)(232)	27(275)(288)
321	Lake Charles, LA MSA	62(82)(107)	20(323)(289)	36(141)(92)	51(71)(141)	57(75)(75)	28(242)(176)
322	Cedar Rapids, IA MSA	41(225)(256)	20(294)(243)	28(301)(261)	25(249)(263)	34(236)(252)	22(297)(275)
323	Lawton, OK MSA	32(315)(302)	20(316)(274)	22(324)(309)	19(322)(318)	18(315)(306)	18(318)(319)
324	St. Joseph, MO MSA	42(213)(204)	19(324)(299)	31(47)(129)	32(196)(175)	43(145)(189)	33(65)(110)
325	Spokane, WA MSA	35(272)(286)	19(322)(316)	21(314)(313)	21(292)(283)	28(287)(298)	19(319)(317)
326	Pocatello, ID MSA	31(261)(234)	19(319)(295)	20(312)(312)	28(229)(191)	26(297)(255)	27(279)(302)
327	Lawrence, KS MSA	27(327)(328)	19(329)(284)	32(176)(170)	15(331)(330)	28(239)(301)	28(237)(305)
328	Portsmouth-Rochester, NH-ME PMSA	31(219)(201)	18(295)(296)	29(263)(241)	25(276)(236)	29(246)(274)	24(281)(294)
329	Burlington, VT MSA	31(329)(329)	16(313)(259)	32(282)(272)	26(329)(305)	22(331)(310)	24(327)(284)
330	Missoula, MT MSA	20(301)(265)	14(330)(293)	22(252)(318)	15(253)(257)	24(284)(284)	22(264)(291)
331	Redding, CA MSA	25(321)(271)	12(331)(330)	31(118)(315)	25(274)(186)	21(289)(278)	29(178)(308)